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SIX-MONTHLY INDEXES TO SCIENCE ABSTRACTS

Cumulative indexes to Science Abstracts are published twice a year covering the period January-June and July-December. They comprise author and subject indexes and some specialised or 'small' indexes. For Physics Abstracts and Electrical & Electronics Abstracts the Author Index and Subject Index are published as separate volumes. In this case the Small Indexes are included in the Author Index volume.

Author index

This lists in alphabetical order all authors of papers abstracted in the abstracts journal during the six months covered by the index, together with the title of the paper. Where there are co-authors of a paper the title of the paper is given only under the name of the first author. The serial number of the paper in the abstracts journal is in the form 7-12345, ie 1977—abstract no. 12345.

'Small' indexes

These are specialised indexes which allow the user to find quickly particular types of information which might be difficult to find using the subject or author indexes.

Bibliography index

In this index reference is made to articles which contain a significant list of references or bibliography on the subjects listed.

Book index

This gives details of books received and abstracted by the abstracts journal.

Conference index

This index lists conferences for which published proceedings have been received and abstracted. Reference is given to the individual papers and their serial numbers in the abstracts journal.

Corporate author index

This is an index to those items where a corporate organisation rather than an individual person is the agent primarily responsible for the publication. Such publications typically include reports of industrial firms or of government departments or research establishments. This index replaces the previous Report and Patent assignee indexes.

Subject index

The Subject index provides an alphabetical subject key to the articles included in the abstracts journal. Some general guidance on its use is given below:

1. Look in the index for the name of the specific subject in which you are interested. In most cases this name will be a heading in the index and you will find relevant articles listed under it.
2. Occasionally you will be directed from the subject heading chosen to a different heading under which the relevant or additional articles are listed.
3. If you do not find the subject heading you first choose, try a more general heading.
4. Each entry under the heading relates to an article appearing in the abstracts journal and gives the serial number of that article in the journal preceded by the last digit of the current year, eg 7—12345; ie Abstract number 12345 in the abstracts journal for 1977.

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Erratum

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Issue of 17th January 1977 starts with page 195 instead of 197
as would have been correct

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Alkhazov, G.D., Bauer, T., Beurtey, R., Boudard, A., Bruge, G., Chaumeaux, A., Couvert, P., Cvijanovich, G., Duhm, H.H., Fontaine, J.M., Garreta, D., Kulikov, A.V., Legrand, D., Lugol, J.C., Saudinos, J., Thirion, J., Vorobyov, A.A. Elastic and inelastic scattering of 1.044 GeV protons by ^{40}Ca, ^{42}Ca, ^{44}Ca and ^{48}Ti 7−18536

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Digital picture analysis; *A.Rosenfeld (editor/s),* [Berlin, Germany: Springer-Verlag 1976, $29.60] 17962 (introductory abstract), 18769, 21624, 21650, 21931
Dynamics of polymeric liquids vol.2. Kinetic theory; R.B.Bird, O.Hassager, R.C.Armstrong, C.F.Curtiss, [Chichester, Sussex, England: Wiley 1977, $34.00] 42795
Electronic structures of solids; B.R.Coles, A.D.Caplin, [London, England: Edward Arnold 1976, £3.50] 11832
Elements of group theory for physicists, second edition; A.W.Joshi, [Chichester, Sussex, England: Wiley 1976, $5.00] 41455
Energy, vol.3. Nuclear energy and energy policies; *S.S.Penner (editor/s),* [Reading, Mass., USA: Addison-Wesley 1976] 6476
Enveloping algebras; J.Dixmier, [Amsterdam, Netherlands: North-Holland 1977, $36.75] 17752
Excitation mechanisms of the nucleus, 2nd revised edition; J.M.Eisenberg, W.Greiner, [Amsterdam, Netherlands: North-Holland 1976, $27.95] 41937
Exploring laser light; T.Kallard, [New York, USA: Optosonic Press 1977, $11.50] 27246
Explosion seismology in Central Europe; *P.Giese, C.Prodhel, A.Stein (editor/s),* [Berlin, Germany: Springer-Verlag 1976] 25662
Finite element techniques for fluid flow; J.J.Connor, C.A.Brebbia, [London, England: Butterworth 1976, £10.00] 903
Finite Markov chains; J.G.Kemeny, J.L.Snell, [Berlin, Germany: Springer-Verlag 1976, $14.80] 2520
Frontiers of astrophysics; *E.H.Ayrett (editor/s),* [London, England: Harvard Univ. Press 1976, £15.00] 33341
Fundamental aspects of nuclear reactor fuel elements; D.R.Olander, [Oak Ridge, Tenn., USA: Energy Res. & Development Administration 1976, $18.75] 351
Fundamentals of momentum, heat, and mass transfer, 2nd edition; J.R.Welty, C.E.Wicks, R.E.Wilson, [Chichester, Sussex, England: Wiley 1976, $27.55] 39294
Gamma-ray astronomy; E.L.Chupp, [Dordrecht, Netherlands: North-Holland 1976, $39.00] 37673
Geometrical theory of diffraction for electromagnetic waves; G.L.James, [Stevenage, Herts., England: Peter Peregrinus 1976] 3524
Handbook of atomic data; S.Fraga, J.Kaewowski, K.M.S.Saxena, [Amsterdam, Netherlands: Elsevier 1976, $49.75] 23398
Handbook of chemical lasers; *R.W.F.Gross (editor/s),* [Chichester, Sussex, England: Wiley 1976, $49.00] 10901 (introductory abstract), 10902–13, 10964
Handbook of the British Astronomical Association 1977; [London, England: British. Astron. Assoc. 1976, $3.75] 2350
Handbook on plasma instabilities, vol.I; F.F.Cap, [London, England: Academic Press 1976, $19.50] 24080
Hopf bifurcation and its applications; J.E.Marsden, M.McCracken, [Berlin, Germany: Springer-Verlag 1976, $19.00] 22365
Intensive care instrumentation; D.W.Hill, A.M.Dolan, [London, England: Academic Press 1976, £8.60] 17006
Interaction of radiation with solids and elementary defect production; C.Lehman, [Amsterdam, Netherlands: North-Holland 1977, $48.95] 39615
Introduction to the strong interactions; N.W.Dean, [London, England: Gordon & Breach 1976, £19.70] 223
Ion implantation, sputtering and their applications; P.D.Townsend, J.C.Kelly, N.E.W.Hartley, [London, England: Academic Press 1976, $13.00] 31691
Laser monitoring of the atmosphere; *E.D.Hinkley (editor/s),* [Berlin, Germany: Springer-Verlag 1976, $39.80] 25799 (introductory abstract),
Lectures on geometric quantization; D.J.Simms, N.M.J.Woodhouse, [Berlin, Germany: Springer-Verlag 1976, $8.20] 41510
Liquid state chemical physics; R.O.Watts, I.J.McGee, [Chichester, Sussex, England: Wiley 1976, $30.00] 31574
Mathematical ideas, modelling and applications; Z.A.Melzack, [Chichester, Sussex, England: Wiley 1976, $40.65] 5617
Mathematical theory of Feynman path integrals; S.A.Albeverio, R.J.Hoegh-Krohn, [Berlin, Germany: Springer-Verlag 1976, $7.40] 41511
Matrix computation for engineers and scientists; A.Jennings, [Chichester, Sussex, England: Wiley 1977, $22.00] 37721
Metallic coatings for corrosion control; V.E.Carter, [London, England: Newnes-Butterworth 1977, £9.00] 44413
Methods for statistical data analysis of multivariate observations; R.Gnanaoesikan, [Chichester, Sussex, England: Wiley 1976, $25.35] 37741
Models of the stochastic activity of neurones; A.V.Holden, [Berlin, Germany: Springer-Verlag 1976, $12.80] 44632
Modern theory of critical phenomena; S.-K.Ma, [Reading, Mass., USA: Benjamin 1976, $24.50] 102
Near-rings. The theory and its applications; G.Pilz, [Amsterdam, Netherlands: North-Holland 1977, $24.00] 37720
Nilpotent Lie groups. Structure and applications to analysis; R.W.Goodman, [Berlin, Germany: Springer-Verlag 1976, $10.20] 26133
Nonlinear operators and differential equations in Banach spaces; R.H.Martin Jr., [Chichester, Sussex, England: Wiley 1976, $36.45] 2516
Nuclear models. Collective and single-particle phenomena, 2nd revised edition; J.M.Eisenberg, W.Greiner, [Amsterdam, Netherlands: North-Holland 1976, $19.95] 41904
Optical and electrical properties; *P.A.Lee (editor/s),* [Dordrecht, Netherlands: Reidel 1976] 39757 (introductory abstract), 39994, 40267, 43566, 43587, 43808, 44023–4, 44133
Optics of the atmosphere. Scattering by molecules and particles; E.J.McCartney, [Chichester, Sussex, England: Wiley 1976, $33.00] 5323
Physical chemistry of surfaces, 3rd edition; A.W.Adamson, [Chichester, Sussex, England: Wiley 1976, $28.70] 25310
Physical principles of micro-meteorological measurements; P.Schwerdtfeger, [Amsterdam, Netherlands: Elsevier 1976, $24.95] 9559
Physical properties of materials; M.C.Lovell, A.J.Avery, M.W.Vernon, [Wokingham, Berks., England: Van Nostrand Reinhold 1976, £5.95] 16476
Physics of magnetospheric substorms; S.-I.Akasofu, [Dordrecht, Netherlands: Reidel 1976] 33298
Physics of vibrations and waves, 2nd edition; H.J.Pain, [Chichester, Sussex, England: Wiley 1976, $20.00] 41494
Polyvinylidene chloride; R.Wessling, [London, England: Gordon & Breach 1977, £11.70] 25006

Principles of induced polarization for geophysical exploration; J.S.Sumner, [Amsterdam, Netherlands: Elsevier 1976, $27.95] 41216

Probability theory with the essential analysis; J.S.Milton, C.P.Tsokos, [Reading, Mass., USA: Addison-Wesley 1976, $14.50] 37740

Progress in optics, vol.XIV; *E.Wolf (editor/s),* [Amsterdam, Netherlands: North-Holland 1976, $57.25] 31059 (introductory abstract), 31070, 31081, 31140−1, 32439, 32506, 33357

Quadrupole mass spectrometry; *P.H.Dawson (editor/s),* [Amsterdam, Netherlands: Elsevier 1976, $49.75] 22608 (introductory abstract), 22363, 22609−15, 23581, 25350, 25622, 25911, 26430

Quantum field theory of solids; H.Haken, [Amsterdam, Netherlands: North-Holland 1976, $50.95] 31922

Radiationless processes in molecules and condensed phases; *F.K.Fong (editor/s),* [Berlin, Germany: Springer-Verlag 1976, $39.80] 34686 (introductory abstract), 34687−8, 36295−7

Random fields; C.Preston, [Berlin, Germany: Springer-Verlag 1976, $9.50] 22485

Remote-sensing applications for mineral exploration; *W.L.Smith (editor/s),* [Stroudsburg, PA, USA: Dowden Hutchinson 1977, $63.00] 37450

Short wave radiation problems in inhomogenous media: asymptotic solutions; C.O.Bloom, N.D.Kazarinoff, [Berlin, Germany: Springer-Verlag 1976, $7.40] 10840

Solid state diffusion; J.P.Stark, [Chichester, Sussex, England: Wiley 1976, $21.80] 24422

Solid-State physics; [Berlin, Germany: Springer-Verlag 1976, $39.80] 36250 (introductory abstract), 36251, 39834

Sound recording; J.Eargle, [Wokingham, Berks., England: Van Nostrand Reinhold 1976, £12.90] 826

Spallation nuclear reactions and their applications; *B.S.P.Shen, M.Merker (editor/s),* [Dordrecht, Netherlands: Reidel 1976, $27.50] 42005 (introductory abstract),

Stability of fluid motions. II; D.D.Joseph, [Berlin, Germany: Springer-Verlag 1976, $39.80] 3811

Statistical and computational methods in data analysis, 2nd revised edition; S.Brandt, [Amsterdam, Netherlands: North-Holland 1976, $35.95] 5655

Strategy of pollution control; P.M.Berthouex, D.F.Rudd, [Chichester, Sussex, England: Wiley 1977, $24.00] 41065

The Universe; J.Kleczek, [Dordrecht, Netherlands: Reidel 1976, $27.00] 26102

Thermodynamics of nonequilibrium processes; S.Wisniewski, R.Staniszewski, R.Szymanik, [Dordrecht, Netherlands: Reidel 1976, $36.00] 41560

Transactions of the International Astronomical Union, vol.XVIA, pt.1. Reports on astronomy; *G.Contopoulos (editor/s),* [Dordrecht, Netherlands: Reidel 1976, $33.00] 5464

Transactions of the International Astronomical Union, vol.XVIA, pt.2. Reports on astronomy; *G.Contopoulos (editor/s),* [Dordrecht, Netherlands: Reidel 1976, $33.00] 5465

Transactions of the International Astronomical Union, vol.XVIA, pt.3. Reports on astronomy; *G.Contopoulos (editor/s),* [Dordrecht, Netherlands: Reidel 1976, $33.00] 5466

Unified theory of the nucleus; K.Wildermuth, Y.C.Tang, [Braunschweig, Germany: Friedr. Vieweg & Sohn 1977] 41900

Vibration spectra and symmetry of crystals; H.Poulet, J.P.Mathieu, [London, England: Gordon & Breach 1976, £26.00] 24365

Vibrational spectra of organometallic compounds; E.Maslowsky Jr., [Chichester, Sussex, England: Wiley 1977, $31.70] 38671

X-ray fluorescence analysis of environmental samples; *T.G.Dzubay (editor/s),* [Ann Arbor, Mich., USA: Ann Arbor Sci. Publishers 1977, $30.25] 41217

CONFERENCE INDEX

Some conference proceedings are published in separate parts with individual titles.
Where this occurs, they are listed under the main conference title.

Abundance effects in classification; Lausanne, Switzerland, 8-11 July 1975, *(Internat. Astron. Union) B.Hauck, P.C.Keenan (editor/s),* [Dordrecht, Netherlands: Reidel 1976, $31.50] 29802 (introductory abstract), 29803−15, 29827−41, 29857−63, 29887−90, 29936−7, 37608

Acid precipitation and the forest ecosystem; Columbus, Ohio, USA, 12-15 May 1975, *(US Dept. Agriculture; Ohio State Univ.; et al)* [Sept.-Nov. 1976] 37322 (introductory abstract), 37257−9, 37323−38, 37370−3, 37411−12, 37447−8

Acoustical Society of America 92nd meeting; San Diego, Calif., USA, 15-19 Nov. 1976, *(Acoust. Soc. America)* [Fall 1976] 7227 (introductory abstract),

Acoustics and ultrasonics; USSR, 17-18 April 1975, *(Acad. Sci. USSR; Sci. Council USSR)* [Jan.-Feb. 1976] 800 (introductory abstract), 819, 838−9, 1635, 1641, 1884

Aerospace navigation; Warminster, Pa., USA, 27-28 April 1976, [Washington, D.C., USA: Inst. Navigation 1976, $20.00] 5353

Aerospace systems and electronics; Washington, D.C., USA, 26-29 Sept. 1976, *(IEEE)* [New York, USA: IEEE 1976] 5420 (introductory abstract), 3615, 3681−2, 7016−17, 7210−13, 7247, 7275, 9653

Aerospace test measurement; San Diego, Calif., USA, 25-27 May 1976, *(ISA) B.Washburn (editor/s),* [Pittsburgh, PA, USA: ISA 1976] 41284 (introductory abstract), 30125, 30139, 30174, 31324, 31408, 32755−6, 33221−2, 33322, 37841, 37864, 38594, 39063, 39265, 40513, 40617, 40902, 41066, 41228−32, 41303

AGU Fall annual meeting; San Francisco, Calif., USA, 6-10 Dec. 1976, *(American Geophys. Union)* [Dec. 1976] 32970 (introductory abstract),

AGU Spring annual meeting; Washington, D.C., USA, 12-15 April 1976, *(American Geophys. Union)* [April 1976] 32969 (introductory abstract),

American Astronomical Society 149th meeting; Honolulu, Hawaii, 16-19 Jan. 1976, *(American Astron. Soc.)* [1976] 41289 (introductory abstract),

American Vacuum Society symposium; Chicago, Ill., USA, 21-24 Sept. 1976, *(American Vacuum Soc.)* [Jan.-Feb. 1977] 39722 (introductory abstract), 37890, 39003, 39014−15, 39112−13, 39118, 39588, 39597−9, 39702, 39744−7, 39931, 39950−1, 39965, 40361−2, 40365−7, 40397, 40463−5, 40604−5, 42636, 43412−13, 43419, 43427, 43446−9, 43462, 43678−80, 43695, 43718, 43743, 43770−1, 43856, 44096−7, 44104−6, 44154−63, 44165, 44174, 44388−9, 44402, 44512, 44836

Antennas and propagation; Amherst, Mass., USA, 11-15 Oct. 1976, *(IEEE; URSI)* [New York, USA: IEEE 1976] 14633 (introductory abstract), 13781, 14641−2, 14646, 16954, 17219, 17262−3, 17386, 19142−5, 21563, 21670, 21877−8, 21907−8, 26343, 27228−9, 27298, 38781−4, 39064

Applications of ferroelectrics; Albuquerque, N.Mex., USA, 9-11 June 1975, *(IEEE; US Army; Sandia Labs.)* [1976] 11012, 11530−1, 11655, 12191, 12315, 12322−3, 12326, 12340, 12351

Applied superconductivity; Stanford, Calif., USA, 17-20 Aug. 1976, *(IEEE; American Phys. Soc.; et al)* [Jan. 1977] 28272 (introductory abstract), 26223, 26292, 26349−63, 26400, 26869−74, 26889−96, 26898−907, 26910−11, 26919, 26948−9, 27692−4, 27739−43, 27757, 27957, 28273−6, 28285−90, 28297, 28302−3, 28308−12, 28316−17, 28322−35, 28342, 28718, 28728, 28746, 28758−66, 28851, 29213, 29231, 30076−7, 30178, 30187, 30657, 31496, 31530, 32101−2, 32116, 32123, 32131−5, 37948−9, 40003, 40008, 40010−13, 40403−4

Astronomical society of Australia meeting; Sydney, Australia, 12-14 May 1976, *(Astron. Soc. Australia)* [Sept. 1976] 33325 (introductory abstract), 33299, 33308, 33345−7, 33350, 33355, 33358, 33400−2, 33455, 33521−2, 33542, 33549, 33575, 33616−20, 33647−52, 33669−71, 33682, 33707, 37507, 41302

Atlantic type continental margins; Sao Paulo, Brazil, 13-18 Oct. 1975, [1976] 21690 (introductory abstract), 21674, 21691−704, 21735, 21737−44, 21748−56, 21768−9

Atmospheric physics from Spacelab; Frascati, Italy, 11-14 May 1976, *J.J.Burger, A.Pederson, B.Battrick (editor/s),* [Dordrecht, Netherlands: Reidel 1976, $39.50] 21775 (introductory abstract), 21872−6, 21884, 21906, 21940−51, 21961−4, 21966−7, 22000−1, 22041, 22201, 25761, 25782, 25802

Atmospheric pollution; Paris, France, 5-7 May 1976, *M.M.Benarie (editor/s),* [Elsevier: Amsterdam, Netherlands 1976] 37377 (introductory abstract), 37340−1, 37378−403, 37408, 37451−65, 41136−7, 41164−5

Automatic control; West Lafayette, Ind., USA, 27-30 July 1976, *(American Inst. Chem. Engrs.; IEEE; ASME; et al)* [New York, USA: ASME 1976] 10156

Automatic control.I; Boston & Cambridge, Mass., USA, 24-30 Aug. 1975, [Pittsburgh, Pa., USA: ISA 1975] 11142, 12894

Automatic control; Boston & Cambridge, Mass., USA, 24-30 Aug. 1975, [Pittsburgh, Pa., USA: ISA 1975] 14251−3, 14262−3

Automatic control.III; Boston & Cambridge, Mass., USA, 24-30 Aug. 1975, [Pittsburgh, Pa., USA: ISA 1975] 16951, 17146, 17153−4, 21556−7, 21642, 21657, 21820−2, 21899−900, 21952

Automation problems; Bucharest, Rumania, 15-16 Nov. 1974, [1976] 27427

Aviation and astronautics; Tel Aviv & Haifa, Israel, 19-20 May 1976, [1976] 31319 (introductory abstract), 31230−1, 31241, 31311, 31326, 31373, 31405, 35109

Baryon resonances; Oxford, England, 5-9 July 1976, *R.T.Ross, D.H.Saxon (editor/s),* [Didcot, Oxon., England: Rutherford High Energy Lab. 1976] 22750 (introductory abstract), 22698−700, 22720, 22733, 22738, 22743, 22745, 22751−4, 22768−78, 22781−95

Bio-electronics; Ahmedabad, India, 19-20 Dec. 1975, [May 1976] 40808 (introductory abstract), 40606, 40710, 40809−15, 40841−2, 41144−6

Biomechanics; Riga, USSR, Oct. 1975, [July-Aug. 1975] 25481 (introductory abstract), 25358, 25417−18, 25482−501, 25595−8, 25619

Biomedical engineering; Boston, Mass., USA, 6-10 Nov. 1976, [Chevy Chase, Md., USA: Alliance for Engng. in Medicine & Biology 1976, $20.00] 25573 (introductory abstract), 25506, 25527−38, 25592, 25602−12, 26281, 26449, 29129−32, 29144, 29158−61, 29175, 29187−91, 29193, 29198−202, 29226, 29239, 36894, 36906, 36977−7007, 37031, 37063−6, 37090−6, 37101−6, 37108−9, 37120−1, 37683, 37700−1, 40630, 40635, 40662, 40665, 40703−8, 40713, 40717−27, 40730−1, 40756−8, 40818−25, 40858−91, 40904−21, 40929−35, 40960−2, 41432−3, 44580, 44604, 44615−19, 44633, 44697, 44705−12, 44731−3, 44771−7, 44807−21, 44832, 44838−54, 44871−3

Biomedical instrumentation; Laramie, WY, USA, 3-5 May 1976, *(ISA; IEEE; Rocky Mountain Bioengng. Symposium) C.N.Rhodine (editor/s),* [Pittsburgh, PA, USA: ISA 1976] 25571 (introductory abstract), 22361, 25502−5, 25525−6, 25623−7

C*-algebras and their applications to statistical mechanics and quantum field theory; Varenna, Italy, 23 July - 4 Aug. 1973, *D.Kastler (editor/s),* [Amsterdam, Netherlands: North-Holland 1976, D.fl. 100.00] 17753 (introductory abstract), 17754−65, 17780, 17877, 17909−10, 18185−6

Cadmium telluride properties and applications; Strasbourg, France, 29 June - 2 July 1976, [Feb. 1977] 39832 (introductory abstract), 39549, 39581, 39601−3, 39706, 39801−2, 39833, 39848−50, 39871−2, 39881, 39893, 40125, 40270, 40281, 40291, 40342, 40350−6, 40360, 40390, 41574, 41579, 42193, 42211, 42223, 42570, 42580, 42624, 42725, 43452−3, 43652, 43721−2, 44747−50, 45288

CAI in geology; Syracuse, N.Y., USA, 8 Nov. 1975, *(Internat. Assoc. Mathematical Geology)* [1976] 15 (introductory abstract), 16−23, 2249, 2261

Categorical topology; Mannheim, Germany, 21-25 July 1975, *E.Binz, H.Herrlich (editor/s),* [Mannheim, Germany: Springer-Verlag 1976, $20.10] 9864 (introductory abstract),

Coatings in the prevention of mechanical failures; Gaithersburg, Md, USA, 29-31 Oct. 1975, *(Nat. Bur. Standards; US Navy; et al) T.R.Shives, W.A.Willard (editor/s),* [Washington, D.C., USA: Nat. Bur. Standards 1976, $2.65] 21327 (introductory abstract), 18670, 21291−2, 21306−7, 21328−31

Coherent and nonlinear optics; Tsakhkadzor, USSR, 15-17 Jan. 1976, [Aug. 1976] 23706 (introductory abstract), 23522, 25293, 25308, 27003, 27034, 27135, 27296, 27302, 27319−20, 29026

Colloids and surfaces; San Juan, Puerto Rico, 21-25 June 1976, *(American Chem. Soc.; IUPAC)* [Jan. 1977] 25318 (introductory abstract), 23618, 24469−70, 24476, 24479, 24488, 25305, 25319, 25742

Colloids and surfaces; San Juan, Puerto Rico, 21-25 June 1976, *(American Chem. Soc.; IUPAC)* [Feb. 1977] 31873, 32495, 32838−43

Colloids and surfaces; San Juan, Puerto Rico, 21-25 June 1976, *(Ameri-*

can Chem. Soc.; IUPAC) [March 1977] 42787, 43134−6, 43426, 44505, 44600−2

Communications and knowledge.I; Dallas, Tex., USA, 29 Nov. - 1 Dec. 1976, *(IEEE; et al)* [New York, USA: IEEE 1976] 32971, 33324, 33361

Communications and knowledge.II; Dallas, Tex., USA, 29 Nov. - 1 Dec. 1976, *(IEEE; et al.)* [New York, USA: IEEE 1976] 27373−4, 29630−1

Communications and knowledge. III.III; Dallas, Tex., USA, 29 Nov. - 1 Dec. 1976, *(IEEE; et al)* [New York, USA: IEEE 1976] 27375−81, 29255, 29444−6

Communications and power; Montreal, Canada, 20-22 Oct. 1976, *(IEEE)* [New York, USA: IEEE 1976, $18.00] 15266−9, 17218, 21562

COMPCON '76; Washington, D.C., USA, 7-10 Sept. 1976, *(IEEE)* [New York, USA: IEEE 1976] 5355, 5445

Compound semiconductor interfaces; San Diego, Calif., USA, 3-5 Feb. 1976, *(Office of Naval Res.; Army Res. Office)* [July-Aug. 1976] 20377 (introductory abstract), 19884, 20170, 20186−7, 20200, 20203, 20326, 20382−7, 20402−3, 20409−12, 20427−35, 20449−55, 20472−3, 20848−9, 20943, 20972, 20984−5, 21022, 21041−2

Computer simulation; Sacramento, Calif., USA, 18-19 Dec. 1975, *(Soc. Computer Simulation)* [La Jolla, Calif., USA: Soc. Computer Simulations 1976] 17853, 19638, 21507−8, 21512, 21531, 21669, 21799, 21871, 22040

Computer simulation '76; Washington, DC, USA, 12-14 July 1976, *(American Geophys. Union; American Inst. Aeronautics & Astronautics; et al)* [La Jolla, Calif., USA: Simulation Council, La Jolla, Calif., USA 1976] 22424, 25760, 32880, 34036, 34417, 35094, 35151, 36754, 37204, 37260−5, 37375−6, 37496−7, 38334, 38337, 38371−3, 39479, 40647, 40692−701, 41100−1

Computers in engineering; Perth, Australia, 6-7 Sept. 1976, *(Instn. Engrs., Australia)* [Sydney, Australia: Instn. Engrs., Australia 1976] 21817−19, 41099

Computing in plasma physics and astrophysics; Garching, Germany, 27-30 April 1976, [Sept.-Oct. 1976] 29639 (introductory abstract), 26153−4, 27230, 27659−60, 27690−1, 27712, 29789, 29800, 29871

Computing methods in Applied Sciences; Le Chesnay, France, 15-19 Dec. 1975, *(IFIP; et al) R.Glowinski, J.L.Lions (editor/s),* [Berlin, Germany: Springer-Verlag 1976, $15.20] 33846 (introductory abstract), 33847−51, 33869−70, 35121, 35132, 35160, 37239−41, 37342, 37348

Connector symposium; Cherry Hill, N.J., USA, 20-21 Oct. 1976, *(AMP; Bunker-Ramo; et al.)* [Camden, N.J., USA: Electronic Connector Study Group 1976, $20.00] 22577 (introductory abstract), 23233, 23770, 25803

Crack detection and measurement; England, Dec. 1974, [Abington, Cambs., England: Welding Inst. 1976] 32754 (introductory abstract),

Critical phenomena; Sitges, Spain, June 1976, *(Min. Education & Sci.; et al) J.Brey, R.B.Jones (editor/s),* [Berlin, Germany: Springer-Verlag 1976] 22510 (introductory abstract), 22486, 22491, 22501, 22511−16, 22654, 22666

Cryogenic engineering; Grenoble, France, 11-14 May 1976, *(Internat. Cryogenic Engng. Committee; Nat. Sci. Res. Centre) F.R.S.Mendelssohn (editor/s),* [Guildford, Surrey, England: IPC Sci. & Technology Press 1976, £29.00] 17988 (introductory abstract), 17900, 17989−99, 18770, 19759, 20487, 20503, 22077, 22557−60, 22576, 22583−5, 22627, 23289, 23325−6, 23341, 23959−61, 24179, 24416, 24457, 24475, 24637, 24645, 24648−50, 24656−9, 24786−7, 24805, 24855, 24989−90, 25052, 25119, 25160, 25628, 26309, 28280−1, 28307, 28313−15, 28336−8, 30151−70, 30172, 30188, 30670−2, 30742, 31409, 31753, 31765−7, 31822−3, 32555, 32827, 33323

Crystallography, Amsterdam; Amsterdam, Netherlands, 7-15 Aug. 1975, [1 Jan. 1977] 19828−9, 19850

Current induced reactions; Hamburg, Germany, 1975, *(NATO) J.G.Korner, G.Kramer, D.Schildknecht (editor/s),* [Berlin, Germany: Springer-Verlag 1976, $17.30] 34106 (introductory abstract), 34099, 34113, 34118−22, 34128−30, 34155, 34170, 34198, 34289

Cybernetics; Namur, Belgium, 6-11 Sept. 1976, [Namur, Belgium: Internat. Assoc. Cybernetics 1976] 5787−9, 9159−64, 9186, 9302, 9834, 12797, 12873, 12908, 12922

Cybernetics and society; Washington, D.C., USA, 1-3 Nov. 1976, *(IEEE; et al)* [New York, USA: IEEE 1976] 25359−61, 25387, 25419, 25423, 25429, 25457, 25476, 25522, 25548−51, 25572, 25582−4, 25591, 25599−601, 29142−3, 33223

Decision, control and adaptive processes, 1976; Clearwater, Fla., USA, 1-3 Dec. 1976, *(IEEE)* [New York, USA: IEEE 1976] 17782, 19179, 19299, 21513, 21558, 21643−4, 21823, 22078

Device research; Salt Lake City, Utah, USA, 21-23 June 1976, [Nov. 1976] 10921−2, 10941−4, 10958

Diagnostics of high temperature plasma; Knoxville, Tenn., USA, 7-9 Jan. 1976, [Oak Ridge, Tenn., USA: Oak Ridge Nat. Lab. 1976] 31528 (introductory abstract),

Displays; New York, USA, 12-14 Oct. 1976, *(Soc. Information Display; IEEE)* [New York, USA: IEEE 1976, $24.00] 7214, 8604

Displays for man-machine systems; Lancaster, England, 4-7 April 1977, *(IEE; Biological Engng. Soc.; et al)* [London, England: IEE 1977] 38518

Dynamic fracture toughness; London, England, 5-7 July 1976, *(Welding Inst.; American Soc. Metals)* [Abington, Cambs., England: Welding Inst. 1977] 36714 (introductory abstract), 35095, 36662−5, 36715−25, 44362−7, 44447−52

Earth's near space environment; New Delhi, India, 18-20 Feb. 1975, [June 1976] 13049, 13104−8, 13112, 13141, 13164, 13166−70, 13172−3

Electrical and electronic engineers convention, Tel Aviv; Tel Aviv, Israel, 23-24 April 1975, *(IEEE)* [New York, USA: IEEE 1975] 2678, 2690, 3235, 5010−11, 5056

Electrical insulation; Montreal, Quebec, Canada, 14-16 June 1976, *(IEEE)* [Feb. 1977] 24220, 24788−92

Electrical Insulation; Montreal, Quebec, Canada, 14-16 June 1976, *(IEEE)* [April 1977] 42459, 43095, 43583, 43640, 43932−4

Electricity for materials processing and conservation; London, England, 8-9 March 1977, *(IEE; Inst. Fuel; Inst. Phys.; et al)* [London, England: IEE 1977] 27751

Electro-optics/laser international '76; Brighton, Sussex, England, 9-11 March 1976, *(Optics & Laser Technol.; Electro-Optical Systems Design) H.G.Jerrard (editor/s),* [IPC Sci. & Technol. Press: Guildford, Surrey, England 1976] 38800 (introductory abstract), 37965−8, 37975, 38010, 38030−1, 38822, 38838, 38893, 38932−5, 38955, 38964, 38979, 39006, 39019, 39095−105, 39116, 39119−21, 39266, 39385, 40210−11, 40313, 40762, 40937, 41656, 42627−8, 43015, 43974

Electrochemical Society, fall meeting; Las Vegas, Nev., USA, 17-22 Oct. 1976, *(Electrochem. Soc.)* [Princeton, N.J., USA: Electrochem. Soc. 1976] 16831 (introductory abstract), 15625−6, 16514, 16546−7, 16603, 16832−3, 17261

Electrochemical society spring meeting 1976; Washington, D.C., USA, 2-7 May 1976, *(Electrochem. Soc.)* [Princeton, NJ, USA: Electrochem. Soc. 1976] 19210−12, 20364−5, 20782, 20829−30, 20925, 21398

Electromagnetic compatibility '76; Washington, D.C., USA, 13-15 July 1976, *(IEEE)* [New York, USA: IEEE 1976, $25.00] 2655, 5028, 5059, 9220

Electromagnetic compatibility, Wroclaw; Wroclaw, Poland, 22-24 Sept. 1976, *(Internat. Union of Radio Sci.; Internat. Special Committee on Radio Interference; IEEE; et al.)* [1976] 40712, 44719, 44757, 44760

Electromagnetic isotope separators and related [ion accelerators]; Kiryat Anavim, Israel, 10-13 May 1976, *(IAEA; Israel Acad. Sci. & Humanities; Israel Atomic Energy Comm.)* [1 Dec. 1976] 14276 (introductory abstract), 13778, 13819−21, 14268−9, 14284−90, 14299−304, 14322, 14324, 14328, 14611−15, 14653−4, 15438, 18722−4, 19109, 19160−1, 22607, 23328−30, 23352−3, 23569, 23578−9, 25290, 26424−7, 26922, 27170, 27203

Electron devices; Washington, D.C., USA, 1-3 Dec. 1975, *(IEEE)* [New York, USA: IEEE 1975] 7091, 8151, 8715, 8731

Electron devices 1976; Washington, D.C., USA, 6-8 Dec. 1976, *(IEEE)* [New York, USA: IEEE 1976] 27382, 28194, 28249, 31102, 32089, 38894−6, 38965, 40358, 43667, 43714−15, 43736−7

Electron interactions with solids; Southampton, Hants., England, 7-9 April 1976, [Nov. 1976] 44570 (introductory abstract), 44098−100, 44168, 44412, 44444−5

Electron microscopy; Clermont-Ferrand, France, 9-11 June 1976, [Sept. 1976] 26436 (introductory abstract), 26437−43, 26445, 34057, 35451−2, 36704, 36838−9

Electron microscopy and plastic deformation; Clermont-Ferrand, France, 9-11 June 1976, *(Soc. Francaise de Microscopie Electronique)* [Dec. 1976] 44298 (introductory abstract), 43217, 44299−305

Electronic components 1976; San Francisco, Calif., USA, 26-28 April 1976, [Sept. 1976] 4436

Electronic-micromechanical interactions; Lausanne, Switzerland, 19-21 Oct. 1976, *(Assoc. Suisse des Electriciens; Assoc. Suisse de Microtechnique; et al)* [Lausanne, Switzerland: Ecole Polytech. Federale de Lausanne 1976] 30140 (introductory abstract), 30141, 30175, 33975

Electronic processes and [energy transfer] in organic, inorganic, and [biological systems]; Tallahassee, Fla., USA, 8-10 Jan. 1976, [23 Sept. 1976] 27042 (introductory abstract), 26992, 27045−7, 28124, 28611−13, 29002, 29027, 29102, 30193, 30893, 30916, 32795, 32871

Elementary particle and mathematical physics; Schladming, Austria, 16-27 Feb. 1976, *(Min. Sci. & Res.; et al)* [1976] 5974 (introductory abstract),

Energy conversion engineering conference.I; State Line, Nev., USA, 12-17 Sept. 1976, *(American Inst. Chem. Engrs.; American Nucl. Soc.; Soc. Automotive Engrs.; et al.)* [New York, USA: American Inst. Chem. Engrs. 1976] 38395

Energy conversion engineering conference.II; State Line, Nev., USA, 12-17 Sept. 1976, *(American Inst. Chem. Engrs.; American Nucl. Soc.; Soc. Automotive Engrs.; et al)* [New York, USA: American Inst. Chem. Engrs. 1976] 22543, 23244−7, 23290, 23727, 25294, 27330

Environmental pollutant measurement, detection and control; Vienna, Austria, 15-19 March 1976, *(IAEA)* [Vienna, Austria: IAEA 1976, $39.00] 41148 (introductory abstract), 38427, 40618−20, 41067−9, 41102−5, 41149−63, 41233−9

Ergonomics; College Park, Md., USA, 11-16 July 1976, [Santa Monica, Calif., USA: Human Factors Soc. 1976, $20.00] 44806

Extragalactic research; Potsdam, Germany, 29-31 Oct. 1975, [1976] 37644 (introductory abstract), 37601, 37645−52, 37655−8, 37665

Ferroelectricity; Zurich, Switzerland, 22-26 Sept. 1976, *(E.T.H. Zurich; Swiss Nat. Sci. Found.; European Phys. Soc.; Canton of Zurich; City of Zurich)* [1976] 637, 1616, 1632, 1643−5, 1647, 1799, 4391, 4612

Ferroelectricity; Zurich, Switzerland, 22-26 Sept. 1976, *(ETH, Zurich; Swiss Nat. Sci. Found.; European Phys. Soc.; Canton of Zurich; City of Zurich)* [1976] 8519, 8528, 11668, 12126, 12181, 12314, 12321, 12325, 12329−39, 12348, 16256, 16258

Few body dynamics; Delhi, India, 29 Dec. 1975 - 3 Jan. 1976, *(Indian Nat. Sci. Acad.; Univ. Grants Comm.; IUPAP; UNESCO) A.N.Mitra, I.Slaus, V.S.Bhasin, V.K.Gypta (editor/s),* [Amsterdam, Netherlands: North-Holland 1976, $76.95] 18368 (introductory abstract), 17854−61, 18187, 18208, 18226−7, 18290, 18316, 18319, 18378, 18387, 18399, 18405−19, 18422−40, 18455, 18467, 18491−502, 18506, 18511−12, 18518−20, 18524−6, 18532, 18546−65, 18575−9, 18585−90, 18629−30, 18657, 18715, 18720−1, 18750, 18761−2, 18764, 19005, 22665, 22680, 22759−60, 22804, 22900, 22905−7, 22923, 22927, 22993−5, 23013−14, 23099, 23115, 23324, 26591−4, 26644, 26774, 26791, 26977, 27137, 27214

Fluid flow research instrumentation (non-intrusive); Saint-Louis, France, 3-5 May 1976, *(AGARD)* [Neuilly sur Seine, France: AGARD 1976] 35271 (introductory abstract), 35262−3, 35272−87, 39376−84

Frequency control; Atlantic City, N.J., USA, 2-4 June 1976, *(US Army)* [Washington, D.C., USA: Electronic Industries Assoc. 1976, $8.00] 37852 (introductory abstract), 36661, 37853−62, 37944−5, 37976, 39136−48, 39169−76, 39190, 40184, 40197, 40376, 40624, 41288

Gas lasers; Novosibirsk, USSR, 16-18 June 1975, [April 1976] 693 (introductory abstract), 651, 655, 694, 708−11

Geothermometry and geobarometry; University Park, Pa., USA, 5-10 Oct. 1975, *(US Geodynamics Committee; Inter-Union Comm. Geodynamics; et al)* [July-Aug. 1976] 2123 (introductory abstract), 2124−8, 2130, 2141−9, 2253−7, 5137−41, 5183−6

Group theoretical methods in physics; Nijmegen, Netherlands, June 1975, *(Nijmegen Univ.; et al) A.Janner, T.Janssen, M.Boon (editor/s),* [Berlin, Germany: Springer-Verlag 1976, $20.50] 17862 (introductory abstract), 17767−72, 17781, 17863−75, 17885, 17898, 17911, 18188−91, 18197−8, 18211, 18246, 18451−3, 18503, 18774, 18815, 19124, 19887−8, 20218, 20279, 33810, 33831−2, 33834−8, 33861, 33906−8, 33958−9, 33971, 34098

Health physics; San Francisco, Calif., USA, 27 June - 2 July 1976, [Dec. 1976] 16983 (introductory abstract), 14271, 16873, 16961, 16984−8

Heat transfer and fluid mechanics, 1976; Davis, Calif., USA, 21-23 June 1976, *(Energy Res. & Development Administration; Office of Naval Res.; et al) A.A.McKillop, J.W.Baughn, H.A.Dwyer (editor/s),* [Stanford, Calif., USA: Stanford Univ. Press 1976, $29.50] 39295 (introductory abstract), 39278–80, 39296–8, 39309, 39323, 39335–6, 39359, 39363–4, 40546, 41626, 42052, 42727, 42801–3, 42865–6, 45290

High energy physics school; Didcot, Oxon, 6-24 Sept. 1976, [Didcot, Oxon: Rutherford High Energy Lab. 1976] 41747 (introductory abstract),

High energy physics with polarised beams and targets; Argonne, Ill., USA, 23-27 Aug. 1976, [1976] 30470 (introductory abstract), 30344–5, 30353, 30399–413, 30420–1, 30425–6, 30434–40, 30444–5, 30449, 30454–8, 30471, 30544, 30737–8, 34144, 34154, 34156–8, 34162–5, 34487–8, 34491–6, 38509–12, 38519–26

High-polymer physics; Atlanta, Ga., USA, 29 March - 1 April 1976, *(American Phys. Soc.)* [Oct. 1976] 4051 (introductory abstract), 3779, 4052–3, 4311, 4595, 4598, 4648, 7486, 7816, 7984, 8852, 8907

High pressure physics and technology; Moscow, USSR, 26-31 May 1975, [1975] 43279 (introductory abstract), 43284, 43287, 43324, 43473–8, 43490, 43554, 43777, 43779, 43797, 43908, 44191

Hydrogen in metals; Birmingham, England, 5-6 Jan. 1976, *(Chemical Soc.; Royal Soc.; British Council; et al)* [Sept.-Oct. 1976] 4201, 4257

Hyperfine interactions; Heverlee, Belgium, 10-12 Sept. 1975, [Nov. 1976] 8057, 8061, 8418, 8458–72, 12250–1, 12263–75, 16204, 16213–18, 18388, 18468–9, 18474, 18480, 20723–5, 20752–8, 20784–5, 22880, 22883–4, 22931–3, 22940–2, 22944, 24756, 24765, 24775–6, 26571–2, 26609, 27917–21, 28452, 28462, 28484–8, 28502–3, 28523, 34256

Imaging through the atmosphere; Reston, Va., USA, 22-23 March 1976, *(Soc. Photo-Optical Instrumentation Engrs.; Univ. Arizona; et al) J.G.Wyant (editor/s),* [Palos Verdes Estates, Calif., USA: Soc. Photo-Optical Instrumentation Engrs. 1976] 42484 (introductory abstract), 41678, 42485–7, 42498–503, 42587, 45125–6, 45155–6, 45204, 45318–22

Inner shell ionization.II; Freiburg, Germany, 29 March - 2 April 1976, *(Deutsche Forschungsgemeinschaft; Land-Baden Wurttemberg; IUPAP; Univ. Freiburg; et al)* [Freiburg, Germany: Univ. Freiburg 1976, DM 25.00] 14385, 14403, 14517, 14560–70, 14586–91, 18382, 18749, 18801, 18826–33, 18857, 18863–6, 18871–5, 18883–96, 18940, 19051–70, 19093–6, 20966–7, 23443, 23455–7, 23548–58, 23565, 24909

Inner shell ionization phenomena; Freiburg, Germany, 29 March - 2 April 1976, *(Deutsche Forschungsgemeinschaft; Land-Baden Wurttemberg; IUPAP; Univ. Freiburg; et al)* [Freiburg, Germany: Univ. Freiburg 1976, DM 50.00] 27040 (introductory abstract),

Inner shell ionization phenomena.I; Freiburg, Germany, 29 March - 2 April 1976, *(Deutsche Forschungsgemeinschaft; Land Baden Wurttemberg; IUPAP; Univ. Freiburg; et al) W.Mehlorn, R.Brenn (editor/s),* [Freiburg, Germany: Univ. Freiburg 1976, DM25.00] 18773, 18803, 18862, 18867–70, 18881–2, 18979–80, 19041–50, 19090–2, 19227, 22061

Instrumentation advances.I; Houston, Tex., USA, 11-14 Oct. 1976, *(ISA)* [Pittsburgh, Pa., USA: ISA 1976] 39390

Instrumentation advances.II; Houston, Tex., USA, 11-14 Oct. 1976, *(ISA)* [Pittsburgh, Pa., USA: ISA 1976] 26272–3, 26296, 26310–11, 26369, 26882, 27304, 27637, 29268, 30130, 30171, 30674

Instrumentation advances.III; Houston, Tex., USA, 11-14 Oct. 1976, *(ISA)* [Pittsburgh, Pa., USA: ISA 1976] 36854–5, 39386, 41070, 41244

Instrumentation advances.IV; Houston, Tex., USA, 11-14 Oct. 1976, *(ISA)* [Pittsburgh, Pa., USA: ISA 1976] 37845, 37848, 38052, 38374–5, 38397, 38417, 39387–9, 39671–2, 41569

Ion techniques in corrosion; Manchester, England, April 1975, [1976] 8962 (introductory abstract), 8963–4, 8974–8, 9147

Ion technology advances; Murray Hill, NJ., USA, 26 May 1976, *(American Vacuum Soc.)* [Sept.-Oct. 1976] 12476 (introductory abstract), 11577, 12477

Ionized gases; Dubrovnik, Yugoslavia, 27 Aug. - 3 Sept. 1976, *(Councils for Sci. Res. of the Socialist Republics of Ionized Gases) B.Navinsek (editor/s),* [Ljubljana, Yugoslavia: Univ Ljubljana 1976] 42961 (introductory abstract), 42284, 42299, 42397, 42402, 42408–11, 42418–20, 42430–1, 42444, 42990, 43236, 43255, 43260–2, 44072, 44107–12

Large scale systems; Udine, Italy, 16-20 June 1976, *(IFAC) G.Guardabassi, A.Locatelli (editor/s),* [Pittsburgh, Pa., USA: ISA 1976] 25728

Laser and electrooptical systems; San Diego, Calif., USA, 25-27 May 1976, *(IEEE; Optical Soc. America)* [New York, USA: IEEE 1976] 19278 (introductory abstract), 17963, 17970, 17983, 18086–8, 18095–8, 18105, 18108, 18120–2, 18704–6, 19112–13, 19186–7, 19192–3, 19213–15, 19260–2, 19279–98, 19320–43, 19355–7, 19365–6, 19374, 19384, 19429–59, 19461, 19465, 19655–6, 20803, 21345, 21594–5, 21651–3, 21896–8, 21905, 21932–9, 22076

Lasers and their applications; Erice, Italy, 31 May - 13 June 1970, *A.Sona (editor/s),* [London, England: Gordon & Breach 1976, £23.90] 38906 (introductory abstract), 34864, 35288, 35371, 36256, 38805, 38820–1, 38836–7, 38853, 38866, 38884, 38892, 38901, 38947–8, 38975, 38994, 39001, 40729

Liquid crystals; Kent, Ohio, USA, 23-27 Aug. 1976, [1976] 27808 (introductory abstract), 27809–28, 27989–91, 28475, 28536, 29108–9, 31588

Liquid crystals; Kent, Ohio, 23-27 Aug. 1976, [1977] 39533–9, 39666–7, 40207–8, 42344, 42451, 43138–47, 43316, 43959, 43969, 44603

Localization in quantum chemistry; Paris, France, 1973-74, *O.Chalvet, R.Daudel, S.Diner, P.Malriey (editor/s),* [Dordrecht, Netherlands: Reidel 1976] 30750 (introductory abstract), 30746, 30751–61, 30785, 30806, 31958–63, 34563, 35870

Low light level devices; Reston, Va., USA, 22-23 March 1976, *(Soc. Photo-Optical Instrumentation Engrs.; Soc. Photographic Sci. & Engrs.; et al.) C.Freeman (editor/s),* [Palos Verdes Estates, Calif., USA: Soc. Photo-Optical Instrumentation Engrs. 1976] 39091 (introductory abstract), 37964, 39092–4, 40732, 40759–61, 40892–3, 40936, 40963, 41287, 41316–19, 44874

Machine noise; St. Louis, Mo., USA, 6 Nov. 1974, *(Acoust. Sco. America)* [Feb. 1977] 39151 (introductory abstract), 39152–6, 39161

Magnetism and magnetic materials; Philadelphia, Pa., USA, 9-12 Dec. 1975, *(IEEE; American Inst. Phys.)* [1976] 1543, 1549–50, 1552, 1561–5, 1574, 1578–9, 1798, 1879–82, 3650, 4511, 4513–14, 4524, 4531–2, 4534, 4538, 4556, 4560–3, 4627, 4710, 8282–5, 8295–7, 8309–11, 8332–3, 8339–42, 8376, 8407–8, 8547–8, 8559, 8717, 8742, 8956–7, 9003, 9128

Magnetism and magnetic materials; Pittsburgh, PA, USA, 15-17 June 1976, *(AIP; IEEE)* [1976] 12071 (introductory abstract), 11843, 11847, 11886, 11986, 12072, 12088, 12092–3, 12099–101, 12113, 12117–18, 12143–5, 12150–1, 12167–72, 12180, 12204, 12207, 12257–9, 15707, 16054–5, 16064, 16068, 16078–9, 16097–100, 16106–8, 16120–5, 16127–30, 16136, 16181, 16493, 16515, 20219, 20225, 20276, 20295, 20464–5, 20481–3, 20491, 20494, 20510–12, 20527, 20544, 20561–3, 20570, 20603–4, 20634–7, 20665–70, 20677, 20695, 20700, 20709–11, 22822, 24515, 24663, 24665, 24669, 24674–6, 24687, 24692–3, 24698–701, 24714–15, 24722, 24730, 24764, 24824, 25042, 28540

Magnetism and magnetic materials; Pittsburgh, Pa., USA, 15-17 June 1976, *(AIP; IEEE)* [Nov. 1976] 6966, 8298–305, 8313–14, 8334, 8347–54, 8379, 8776, 8786, 8799, 8958–60, 10048, 10066–9, 10806, 11467, 12114, 12119, 12146, 12154–8, 12161, 12163–4, 12276, 12364, 12528, 12546, 12570, 12648, 12667, 12712–17, 13031, 16111, 16116, 16219, 20832

Magnetism, Bad Nauheim; Bad Nauheim, Germany, 23-25 March 1976, [Jan.-Feb. 1977] 8255 (introductory abstract), 6972, 8058, 8122, 8275–6, 8289, 8307, 8320, 8335, 8358–60, 8364–5, 8381, 8412, 8422–3, 8552, 8576, 9139, 15748, 16046–9, 16086, 16101, 16112–15, 16133, 16138, 16225, 16277, 20644, 20663, 20718–19, 20767, 21073–4

Materials and processing effects in semiconductor devices; Brighton, Sussex, England, 29-30 March 1976, [11 March 1977] 27898 (introductory abstract), 27899–900, 28630, 28636

Materials technology; New York, USA, 2-4 Feb. 1976, *(American Inst. Phys.)* [1976] 8733 (introductory abstract), 7301, 7709, 8785, 8955, 8973, 9004, 9035

Mathematical methods in celestial mechanics; Oberwolfach, Germany, 24-30 Aug. 1975, [Aug. 1976] 25916 (introductory abstract), 25917–31, 29635

Measurements for safe use of radiation; Gaithersburg, Md., USA, 1-4 March 1976, *(Nat. Bur. Standards; American Assoc. Physicists in Medicine; et al) S.P.Fivovinsky (editor/s),* [Washington, D.C., USA: Nat. Bur. Standards 1976] 40794 (introductory abstract), 37708, 37713–14, 37876, 37946–7, 38011–13, 38066, 38078, 38428–31, 38539–41, 38567–8, 38581–8, 39183–4, 40763–7, 40769, 40777–92, 40795–6

Medical data processing; Toulouse, France, 2-5 March 1976, *M.Laudet, J.Anderson, F.Begon (editor/s),* [London, England: Taylor & Francis 1976, £25.00] 32961, 40702, 40817, 40903, 44805, 44831

Medical information processing.I; Stockholm, Netherlands, 5-10 Aug. 1974, *(IFIP) J.Anderson, J.M.Forsythe (editor/s),* [Amsterdam, Netherlands: North-Holland 1974] 25

Medical information processing.II; Stockholm, Sweden, 5-10 Aug. 1974, *(IFIP) J.Anderson, J.M.Forsythe (editor/s),* [Amsterdam, Netherlands: North-Holland 1974] 9252–6, 9268–9, 9288–94, 9313–14, 13027

Medical physics; Ottawa, Canada, 25-30 July 1976, *(Canadian Assoc. Phys)* [Jan. 1977] 16897 (introductory abstract),

Meson-nuclear physics; Pittsburgh, Pa., USA, 24-28 May 1976, *(US Energy Found.; IUPAP)* [1976] 6436 (introductory abstract), 5990, 6141–2, 6145–56, 6163, 6245, 6275, 6307, 6323–5, 6357–60, 6437–48, 6450–8, 10273–4, 10313, 10325–32, 10335–6, 10338, 10349–50, 10373, 10378, 10385, 10388, 10391–5, 10433–49, 10499–500, 10523–4, 10532, 10788–9, 13978–9, 14051, 14054–7, 14100–11, 14182–92, 14279, 14297, 14617–19, 18608–24, 18641, 18765, 23109

Metallurgical coatings; San Francisco, Calif., USA, 5-9 April 1976, [Dec. 1976] 31918 (introductory abstract), 30669, 31919–20, 32082, 32092, 32223, 32459, 32512, 32527–31, 32533, 32659–60, 32704–13, 32722–7, 36678

Metallurgical coatings; San Francisco, Calif., USA, 5-9 April 1976, [Jan. 1977] 40363 (introductory abstract), 39017, 39699, 39752–3, 39922, 39979, 40368–71, 40374, 40383–7, 40391, 40456–61, 40470–7, 43740, 43757–8, 44164, 44166–7, 44173, 44175–6, 44196–8, 44392–6, 44409–11

Millimetre waveguide systems; London, England, 9-12 Nov. 1976, *(IEE; IEEE; Inst. Phys.; IERE)* [London, England: IEE 1976] 5444

Mossbauer spectroscopy; Cracow, Poland, 25-30 Aug. 1975, *(Atomic Energy Authority of Poland) A.Z.Hrynkiewicz, J.A.Sawicki (editor/s),* [Cracow, Poland: Akademi Gorniczo Hutnicza 1976] 24774 (introductory abstract),

Neutron interactions with nuclei; Lowell, Mass., USA, 6-9 July 1976, *(IUPAP; American Nucl. Soc., American Phys. Soc.; Inst. Phys.) E.Sheldon (editor/s),* [Springfield, Va., USA: Nat. Tech. Information Service 1976] 23015 (introductory abstract),

Neutron interactions with nuclei.I; Lowell, Mass., USA, 6-9 July 1976, *(IUPAP; American Nucl. Soc.; American Phys. Soc.; Inst. Phys.) E.Sheldon (editor/s),* [Springfield, Va., USA: Nat. Tech. Information Service 1976, $23.75] 26564, 26599, 26640, 26648, 26653, 26659, 26693–703, 26796–7, 26826–7, 26864, 26880, 26951, 27790, 29238, 29872

Neutron interactions with nuclei.II; Lowell, Mass., USA, 6-9 July 1976, *(IUPAP; AmLrican Nucl. Soc.; American Phys. Soc.; Inst. Phys.)* [Springfield, Va., USA: Nat. Tech. Information Service 1976, $23.75] 22761, 22825, 22849–54, 22897–9, 22901, 22938–9, 22983, 22985, 22991, 23016–30, 23192, 23304, 23317, 23342–5, 23362–3, 23378, 24248, 25244, 25547, 26569–70, 26576, 26581–7, 26619, 26624, 26639, 26645–7, 26649, 26654–7, 26660, 26704–52, 26775, 26780, 26798–814, 26828, 26840, 26881, 26887–8, 26897, 26913, 26924–9, 26946, 28375, 29084, 30493–4, 30514, 30528, 30541–3, 30554–5, 30578–602, 30635, 30647, 30693–5, 30743, 31610, 31740, 34232–3, 34307–16, 38278–80

Noise in solid state devices; Noordwijkerhout, Netherlands, 9-11 Sept. 1975, [May 1976] 87, 748, 1569

Nuclear and space radiation effects; San Diego, Calif., USA, 27-30 July 1976, *(IEEE; Univ. Calif.)* [Dec. 1976] 20376 (introductory abstract), 18709–10, 18751, 19405, 19973, 19980–1, 19996, 20379–80, 20439–47, 20478, 20948, 22011, 22035–6, 22533, 23172, 23388–9, 24338, 24561, 24607, 25907, 26248, 26816, 26885, 26933, 27906, 28648

Nuclear cross sections and technology; Washington, D.C., USA, 3-7 March 1975, *R.A.Schrack, C.D.Bowman (editor/s),* [Washington, D.C., USA: Nat. Bur. Standards 1975] 22826 (introductory abstract),

Nuclear cross sections and technology.I; Washington, DC, USA, 3-7 March 1975, *R.A.Schrack, C.D.Bowman (editor/s),* [Washington, DC, USA: Nat. Bur. Standards 1975] 22616, 22828, 22855–6, 22928, 22978, 22984, 23031–51, 23100, 23126–38, 23164–7, 23193–202, 23213–16, 23234–7, 23248, 23305–11, 23346–8, 23364–6, 23379–81, 23392, 23396–7, 26661, 26671, 26753–6, 26829, 26841, 26865, 26917, 26930–2, 26937–40, 26947

Nuclear cross sections and technology.II; Washington, D.C., USA, 3-7 March 1975, *R.A.Schrack, C.D.Bowman (editor/s),* [Washington, D.C., USA: Nat. Bur. Standards 1975] 22857−8, 22996, 22999, 23052−93, 23096, 23139−61, 23168−70, 23203, 23291−300, 23312, 23349, 23382, 23393−4, 24249, 24327, 25352, 25552−5, 25778, 25804, 25953, 25997, 26757−73, 30604

Nuclear materials: measurement of irradiation-enhanced creep; Petten, Netherlands, 5-6 May 1976, [March 1977] 42055 (introductory abstract), 42015, 42056−84, 43252−3, 43256, 44297, 44423

Nuclear optical model potential; Pavia, Italy, 8-9 April 1976, *S.Boffi, G.Passatore (editor/s),* [Berlin, Germany: Springer-Verlag 1976, $10.20] 30530 (introductory abstract), 30480, 30531−8, 30603

Nuclear spectroscopy and nuclear reactions with heavy ions; Varenna, Italy, 22 July - 3 Aug. 1974, *H.Faraggi, R.A.Ricci (editor/s),* [Amsterdam, Netherlands: North-Holland 1976, D.fl. 210.00] 14169 (introductory abstract), 14021−2, 14026, 14097, 14170−81, 18374, 18477, 18490, 18584, 18604−7

Nuclei far from stability; Corgese, Corsica, France, 19-26 May 1976, *(CERN)* [Geneva, Switzerland: CERN 1976] 22824 (introductory abstract), 22364, 22827, 22834−48, 22861−70, 22874−8, 22882, 22889−90, 22895−6, 22904, 22910, 22913−14, 22921, 22926, 22936−7, 22946−64, 22967−77, 22990, 23010−12, 23106, 23122−5, 23337−8, 23358−61, 23377, 23454, 23570, 23582, 25351, 26004, 26631−5, 26795, 29644

Ocean engineering under [Arctic conditions]; Fairbanks, Alaska, USA, Aug. 1975, [Oct. 1976] 37236 (introductory abstract),

Ocean hydrodynamics; Liege, Belgium, 5-9 May 1975, [1976] 37211 (introductory abstract), 37212−35

Oceans 1976; Washington, D.C, USA, 13-15 Sept. 1976, *(Marine Technol. Soc.; IEEE)* [New York, USA: IEEE 1976] 5241 (introductory abstract), 2504, 3192, 3697−8, 3704, 3798, 4975−7, 5217, 5245−7, 5270, 5329−30, 5356−83, 5414−19

Optical fibre communications; Paris, France, 27-30 Sept. 1976, [Dec. 1976] 11016 (introductory abstract),

Optical instrumentation in medicine; Washington, DC, USA, 16-19 Sept. 1976, *(Soc. Photo-Optical Instrumentation Engrs.; et al) R.K. et al.Cacak (editor/s),* [Bellingham, Wash., USA: Soc. Photo-Optical Instrumentation Engrs. 1976] 44829 (introductory abstract),

Optical waveguide theory; Lannion, France, 21-23 Sept. 1976, [March 1977] 23755 (introductory abstract), 23756−62

Optics in medicine and biology; San Diego, Calif., USA, 26-27 Aug. 1976, *(Soc. Photo-Optical Instrumentation Engrs.; et al) T.Hirschfeld, R.E.Herron (editor/s),* [Bellingham, Wash., USA: Soc. Photo-Optical Instrumentation Engrs. 1976] 44876 (introductory abstract),

Optoelectronics; Munich, Germany, 24-27 June 1975, *W.Waidelich (editor/s),* [Guildford, Surrey, England: IPC Sci. & Technol. Press 1976, £22.00] 7111 (introductory abstract), 5790, 5817, 5820, 5888, 5901, 5934, 6563, 6953−4, 7037−42, 7061−2, 7067, 7088, 7131−4, 7151, 7226, 7490, 7599, 9033−4, 9166, 9235, 9297−9, 9490, 9500, 9567−72

Palaeomagnetism; Grenoble, France, 26 Aug. 1975, [Jan. 1977] 37130 (introductory abstract),

Paper, rubber and [plastics industries] [instrumentation] and [automation]; Brussels, Belgium, 24-26 May 1976, *(IFAC)* [Antwerp, Belgium: Noordnederlands Boekbedrijf 1976] 27638 (introductory abstract), 26284, 26297, 27073, 27447−8, 27501, 27639, 28973, 29085−6

Parallel processing '76; Walden Woods, Mich., USA, 24-27 Aug. 1976, *(Wayne State Univ.; IEEE; ACM)* [New York, USA: IEEE 1976] 37413

Particle searches and discoveries 1976; Nashville, Tenn., USA, 1-3 March 1976, *(Nat. Sci. Found.; US Energy Res. & Dev. Administration)* [1976] 222, 236, 238−43, 247−8, 251, 263

Pattern recognition; Coronado, Calif., USA, 8-11 Nov. 1976, *(IEEE; ACM; IFIP; et al.)* [New York, USA: IEEE 1976] 10855, 12928−9, 13004, 14228−9, 21532, 21625, 21879, 21953, 37062, 37086−9, 37404, 37466, 40856

Photoelectron spectroscopy; Lyons, France, 28-30 April 1976, [June 1976] 36354 (introductory abstract), 34599, 36355−68, 36836−7, 40326−7

Physical chemistry of fluid metals; Konigstein, Germany, 10-12 March 1976, *(German Bunsen Soc. Phys. Chem.)* [Aug. 1976] 1059 (introductory abstract), 1054, 1060−7, 1237−9, 1248−9, 1251, 1254, 1347, 1354, 1367−70, 1388, 1402, 1457, 1536−7, 1539, 1615, 1943

Physics and chemistry of minerals and rocks; Newcastle upon Tyne, England, 22-26 April 1974, *(NATO) R.G.J.Strens (editor/s),* [Chichester, Sussex, England: Wiley 1976, $39.75] 37194 (introductory abstract),

Physics of highly excited states in solids; Tomakomai, Japan, 9-13 Sept. 1975, *(Fujihara Found. Sci.) M.Ueta, Y.Nishina (editor/s),* [Berlin, Germany: Springer-Verlag 1976, $12.80] 43510 (introductory abstract), 42575−6, 43500, 43511−18, 44025, 44056−62

Plasma physics and controlled nuclear fusion research; Berchtesgaden, Germany, 6-13 Oct. 1976, *(IAEA)* [1977] 43020 (introductory abstract), 42184−8, 42974, 42991−2, 43002−7, 43021−48, 43071−8

Plasma science; Austin, Tex., USA, 24-26 May 1976, *(IEEE; Univ. Texas at Austin)* [New York, USA: IEEE 1976, $10.00] 23107, 23189−91, 23212, 23257−88, 23321, 23339−40, 23610, 23642−4, 23652−3, 23665, 24051, 24054, 24059−60, 24062, 24065, 24081−2, 24086, 24091−7, 24099−100, 24103−13, 24115−19, 24172−8, 24189−93, 24201−18, 24235−41, 24922, 25859−60, 25889, 25912

Plasmapause physics; Grenoble, France, Aug.-Sept. 1975, [Nov. 1976] 25838 (introductory abstract), 25839−55, 25877−87

Plate tectonics; Grenoble, France, 5 Sept. 1975, [2 March 1977] 44958 (introductory abstract), 44959−60, 44962−5, 45017

Plutonium 1975 and other activities; Baden-Baden, Germany, 10-13 Sept. 1975, *H.Blank, R.Linder (editor/s),* [Amsterdam, Netherlands: North-Holland 1976] 19807 (introductory abstract), 19866, 19909−10, 19938, 20005, 20009, 20015, 20077−8, 20092−5, 20122, 20221, 20294, 20303, 20320−1, 20520, 20542, 20551, 20559, 20569, 20596−8, 20736, 20783, 21025, 21108, 21124−7, 21134, 21139, 21157, 21284, 21415, 24315, 24333, 25047−8, 25161, 27867, 27873−4, 27911, 27926−7, 27994, 28018, 28046, 28048, 28099, 28107, 28115, 28138, 28158, 28170, 28403−6, 28598, 28649, 28663, 28695−6, 28774, 28793, 28809, 28815, 28826, 28880−1, 36490

Polarization in nuclear reactions; Zurich, Switzerland, 25-29 Aug. 1975, *(IUPAP; Swiss Nat. Sci. Found.; Swiss Phys. Soc.) W.Gruebler, V.Konig (editor/s),* [Basel, Switzerland: Birkhauser Verlag 1976, S.Fr. 118.00] 2913, 2964, 2968−73, 3009−15, 3017−20, 3026

Polymer Science; Pittsburgh, Pa., USA, 17 June 1975, *(Carnegie-Mellon Univ.)* [1976] 38756 (introductory abstract), 38737, 38757−64, 39229, 39546−8, 40146, 40177, 40433−4, 40544, 40574

Power apparatus and systems; Portland, Ore., USA, 18-23 July 1976, *(IEEE)* [New York, USA: IEEE 1976, $36.00] 2669, 3143−4, 3701, 4018

Precision electromagnetic measurements; Boulder, Colo., USA, 28 June - 1 July 1976, *(IEEE; Nat. Bur. Standards; et al)* [Dec. 1976] 18010 (introductory abstract), 17942, 17945, 17951−4, 17979, 17985, 18011−41, 18062, 18092, 18111, 19223, 19230, 19271, 19304−5, 19406

Precision electromagnetic measurements; Boulder, Colo., USA, 28 June - 1 July 1976, *(Nat. Bur. Standards; Inst. Basic Standards; IEEE; et al.)* [New York, USA: IEEE 1976] 5665, 5812−16, 5841, 5852, 5869−74, 5892, 5917−18, 5935, 7047, 7063, 7112−15, 7135, 8490

Precision machinery of optics; San Diego, Calif., USA, 26-27 Aug. 1976, *(Soc. Photo-Optical Instrumentation Engrs.; et al) T.T.Saito (editor/s),* [Bellingham, Wash., USA: Soc. Photo-Optical Instrumentation Engrs. 1976] 42637 (introductory abstract),

Probability theory; Tashkent, USSR, 27 Aug. - 2 Sept. 1975, *(Acad. Sci. USSR; Acad. Sci. Uzbek SSR) G.Maruyama, J.V.Prokhorov (editor/s),* [Berlin, Germany: Springer-Verlag 1976, $21.00] 26150 (introductory abstract), 26209

Proceedings of the 3rd Topical Conference on Pulsed High Beta Plasmas; Abingdon, Oxon., England, 9-12 Sept. 1975, *(UKAEA; American Phys. Soc.)* [1976] 24123 (introductory abstract), 23252−6, 23332, 24055−7, 24070, 24083, 24090, 24124−41, 24143−71, 24184−8, 26875−7, 27651, 27665, 27679, 27696−709, 27726−34, 27746, 35364, 35381

Proton linear accelerators; Chalk River, Ontario, Canada, 14-17 Sept. 1976, *S.O.Schriber (editor/s),* [Chalk River, Ontario, Canada: Atomic Energy of Canada 1976] 38445 (introductory abstract), 34481, 34483−6, 38436−42, 38446−508, 38517, 38542, 38796

Quantum dynamics: models and mathematics; Bielefeld, Germany, 8-12 Sept. 1975, [1976] 10158 (introductory abstract), 9893, 9962, 10159−69, 11173

Random signal analysis; London, England, 1 April 1977, *(IEE)* [London, England: IEE 1977] 44822 (introductory abstract), 42948, 44453−4, 44655, 44823−8, 44875, 45047, 45205

Relativity and gravitation; Brno, Czechoslovakia, 18-25 May 1975, [1975] 9932, 9941−2, 13233, 13324−5, 13371

Reliability physics 1976; Las Vegas, Nev., USA, 20-22 April 1976, *(IEEE)* [New York, USA: IEEE 1976] 40514 (introductory abstract), 37972, 40320, 40515, 40621

Rock stress measurement; Sydney, Australia, 11-13 Aug. 1976, [Sydney, Australia: Instn. Engrs., Australia 1976, $10.00] 9573 (introductory abstract), 9387, 9414−25, 9574−7

Royal Observatory, Greenwich; Greenwich, England, 13-18 July 1975, *(Internat. Astron. Union; Internat. Union of the History and Philosophy of Sci.)* [1976] 29646 (introductory abstract),

Scanning electron microscopy; Toronto, Canada, 5-9 April 1976, *(Illinois Inst. Technol. Res. Inst.) O.Johari (editor/s),* [Chicago, Ill., USA: Illinois Inst. Technol. Res. Inst. 1976] 2714, 4444

SDI technology; Republic of San Marino, Italy, 8-10 Sept. 1976, *(IEEE; ACM; Inst. Cybernetics; et al)* [New York, USA: IEEE 1976] 5354

Sedimentary basins of the continental margin and craton; Durham, England, 5-9 April 1976, *(Inter-Union Comm. Geodynamics)* [24 Nov. 1976] 21715 (introductory abstract), 21716−33, 21746, 25665−6, 25673

Semiconductor microlithography; San Jose, Calif., USA, 1-3 June 1976, *(Soc. Photo-Optical Instrumentation Engrs.; Northern California Microphotomask/Masking Group; et al.) D.E.Routh, E.C.Thompson, R.P.Mandel, J.W.Giffen (editor/s),* [Palos Verdes Estates, Calif., USA: Soc. Photo-Optical Instrumentation Engrs. 1976] 37960, 37977−8, 38051, 41285−6

Sensitometry; Binghamton, N.Y., USA, 15-17 Sept. 1976, *(Soc. Photographic Sci. & Engrs.) R.Shannahan (editor/s),* [Washington, D.C., USA: Soc. Photographic Sci. & Engrs. 1976, $12.00] 30214 (introductory abstract),

Ship operation automation; Washington, DC, USA, 30 Aug. - 2 Sept. 1976, *(IFAC; IFIP)* [Amsterdam, Netherlands: North-Holland 1976] 45020

Signal processing technologies; Aviemore, Scotland, 20-24 Sept. 1976, *P.M.Grant (editor/s),* [London, England: IEE 1976] 27437−42

Simulation of systems; Delft, Netherlands, 23-28 Aug. 1976, *L.Dekker (editor/s),* [Amsterdam, Netherlands: North-Holland 1977, $91.95] 41469−70, 42463, 42700, 42786, 42861, 44581−2, 44610, 44634, 44654, 44692, 44713−15, 45043−6

Solar and cosmic X-ray spectroscopy; Holmbury, England, 22-23 May 1975, *(Sci. Res. Council)* [Aug. 1976] 5433 (introductory abstract), 5434−43, 5460

Solar constant and the Earth's atmosphere; Big Bear City, Calif., USA, 19-21 May 1975, [Feb. 1976] 2380 (introductory abstract),

Solar flares; Cape Cod, Mass., USA, 8-11 Sept. 1975, *(NASA)* [March 1976] 17473 (introductory abstract), 15190, 17270, 17301, 17316, 17474−99, 45391

Solar technology; Winnipeg, Canada, 15-20 Aug. 1976, *(Internat. Solar Energy Soc.; Solar Energy Soc. Canada) K.W.Boer (editor/s),* [Oxford, England: Pergamon 1976, $250.00] 29412 (introductory abstract),

Solar technology.I; Winnipeg, Canada, 15-20 Aug. 1976, *(Internat. Solar Energy Soc.; Solar Energy Soc. Canada) K.W.Boer (editor/s),* [Oxford, England: Pergamon 1976, $30.00] 25762−7, 29413−14

Solar technology.II; Winnipeg, Canada, 15-20 Aug. 1976, *(Internat. Solar Energy Soc.; Solar Energy Soc. Canada) K.W.Boer (editor/s),* [Oxford, England: Pergamon 1976, $30.00] 23728−35

Solar technology.V; Winnipeg, Canada, 15-20 Aug. 1976, *(Internat. Solar Energy Soc.; Solar Energy Soc. Canada) K.W.Boer (editor/s),* [Oxford, England: Pergamon 1976, $40.00] 23774−80

Solar technology.VI; Winnipeg, Canada, 15-20 Aug. 1976, *(Internat. Solar Energy Soc.; Solar Energy Soc. Canada) K.W.Boer (editor/s),* [Oxford, England: Pergamon 1976, $30.00] 27372, 34917, 34930, 39106−7, 39907

Solar technology.VII; Winnipeg, Canada, 15-20 Aug. 1976, *(Internat. Solar Energy Soc.; Solar Energy Soc., Canada) K.W.Boer (editor/s),* [Oxford, England: Pergamon 1976, $30.00] 37343

Solar Type III radio bursts; Berkeley, Calif., USA, 8-9 May 1975, [Feb. 1976] 2406 (introductory abstract), 2407−17

Solid state devices; Tokyo, Japan, 1-2 Sept. 1975, *(Japan Soc. Appl. Phys.)* [1976] 10924−6, 10946, 10965, 11050, 11469, 11576, 11813, 11897, 12148, 12174, 14310, 15420, 20470−1

Solid-state imaging; Louvain-la-Neuve, Belgium, 3-12 Sept. 1975, *(NATO) P.G.Jespers, F.Van de Wiele, M.H.White (editor/s),* [Groningen,

Netherlands: Noordhoff Internat. Publishing 1976] 39073 (introductory abstract), 37707, 38008−9, 39074−90, 39876, 39916, 40679

Sound propagation; France, 18-20 May 1976, [1976] 42638 (introductory abstract), 41493, 42644−5, 42647, 42649−52, 42680, 45016

Space rescue and safety; Lisbon, Portugal, 24-26 Oct. 1975, *P.H.Bolger (editor/s),* [San Diego, Calif., USA: American Astronautical Soc. 1976] 25913 (introductory abstract),

Stochastic systems; Lexington, Ky., USA, June 1975, *(Univ. Kentucky; Nat. Sci. Found.)* [Nov. 1976] 33949

Structural analysis of collision amplitudes; Les Houches, France, 2-27 June 1975, *(Nat. Sci. Res. Centre; et al) R.Balian, D.Iagolnitzer (editor/s),* [Amsterdam, Netherlands: North-Holland 1976, $57.50] 10188 (introductory abstract), 10189−91, 10200−3, 10206, 10223, 10235, 13877−8, 13880−1, 13893

Structural mechanics and reactor technology.M; London, England, 1-5 Sept. 1975, *(ASME; Inst. Mech. Engrs.; et al)* [Brussels, Belgium: Comm. European Communities 1975] 3097−8, 3166, 3714−16, 3729−32, 3751−4, 3757, 3766−70

Structural mechanics in reactor technology.E; London, England, 1-5 Sept. 1975, *(ASME; Inst. Mech. Engrs.; et al)* [Brussels, Belgium: Comm. European Communities 1975] 3090−2, 3141−2, 3190−1

Structural mechanics in reactor technology.F; London, England, 1-5 Sept. 1975, *(ASME; Inst. Mech. Engrs.: et al.)* [Brussels, Belgium: Comm. European Communities 1975] 6504−17, 6526, 6544−5, 6576

Structural mechanics in reactor technology.L; London, England, 1-5 Sept. 1975, *(ASME; Inst. Mech. Engrs.; et al)* [Brussels, Belgium: Comm. European Communities 1975] 3093−6, 3111−15, 3711−12, 3717−18, 3727−8, 3740−50, 3755−6, 3765, 3783−97, 4146, 4793, 4828−32, 4854−6, 4871, 5829, 7288, 7295

Structure and excitations of amorphous solids; Williamsburg, Va., USA, 25-27 March 1976, *(Nat. Sci. Found.; et al)* [1976] 1084, 1418

Submillimeter waves and applications; San Juan, Puerto Rico, 6-11 Dec. 1976, *(IEEE; Optical Soc. America; Internat. Comm. Optics; US Army Res. Office)* [New York, USA: IEEE 1976] 38785 (introductory abstract), 37943, 37973−4, 37994−8007, 38038−42, 38416, 38628, 38694, 38750−1, 38791−5, 38841, 38845−7, 38867−75, 38924−8, 38949−54, 38962−3, 38983, 38995−8, 39005, 39018, 39065−71, 39135, 39430, 39435, 39466−70, 39498−9, 39642, 39770, 39790, 39806, 39899, 39912, 39915, 39962, 40132, 40135−6, 40173, 40203, 40242−52, 40622−3, 41138−9, 41240−3, 41249−50, 41304−5, 41315, 41422, 42477

Surface effects in controlled fusion devices; San Francisco, Calif., USA, 16-20 Feb. 1976, *(Sandia Labs.; US Energy Res. & Development Administration)* [Dec. 1976] 30659 (introductory abstract), 30660−6, 31501−5, 31515−17, 31531, 31685−6, 31698−9, 34427−36, 35350−1, 35355−7, 35377, 35579, 35581, 35592−609, 35752, 35813−14, 36300, 36316−21, 36335−45, 36676, 36787−9

Surface waves and oscillations of Earth; Mamaia, Rumania, 23-30 Sept. 1975, [1976] 37146 (introductory abstract), 37147−58

Systems reliability; Liverpool, England, 17-28 July 1973, *(NATO) E.J.Henley, J.W.Lynn (editor/s),* [Groningen, Netherlands: Noordhoff Internat. Publishing 1976] 38396 (introductory abstract), 30653

Tectonomagnetism and [tectonoelectricity]; Japan, 5 Sept. 1975, [1976] 2084 (introductory abstract), 2089, 2091−7, 2102−3

Thermoelectric energy conversion; Arlington, Tex., USA, 1-3 Sept. 1976, [New York, USA: IEEE 1976] 24549, 24577−8, 28163−5

Thermophysical properties of solids at high temperatures; Moscow, USSR, 18-21 May 1976, [1976] 28012 (introductory abstract), 26288, 26299, 26842, 27971, 28020−1, 28051−4, 28176, 28885, 29030

Transplutonium 1975; Baden-Baden, Germany, 13-17 Sept. 1975, *W.Muller, R.Lindner (editor/s),* [Amsterdam, Netherlands: North-Holland 1976] 28974 (introductory abstract), 26565, 26637, 26776, 26790, 26854−6, 26860−2, 26914−16, 26952−4, 27851, 27868−9, 28009, 28011, 28019, 28108, 28263, 28368−9, 28584−5, 29006, 29029, 29037−40, 29088, 29197, 29518

Ultra high power lasers for practical applications; Reston, Va., USA, 22-23 March 1976, *(Soc. Photo-Optical Instrumentation Engrs.; Soc. Photographic Sci. & Engrs.) L.Wilson (editor/s),* [Palos Verdes Estates, Calif., USA: Soc. Photo-Optical Instrumentation Engrs. 1976] 34895 (introductory abstract), 34473, 34591, 34871−2, 34877, 34883−6, 34897, 34904, 34957, 38378, 38879, 38929−31, 38976, 38978

Ultrasonics, Annapolis; Annapolis, Md., USA, 29 Sept. - 1 Oct. 1976, *(IEEE)* [New York, USA: IEEE 1976] 19469 (introductory abstract), 19470, 19503, 19506−9, 21346−9, 21581−9, 23771−3, 23783−4, 23817−32, 23844−50, 27370−1, 27389−90, 27404, 27415−17, 27419−20, 27430−6, 27446, 27450−8, 28223, 28234, 28423, 28520, 28969−72, 31154, 31161−2, 31182−6, 31189−92, 31197−200, 31385, 31410, 31861, 32539, 32757−62, 32845, 32874, 32946−8, 35624, 36114, 39072, 39164−8, 39182, 39189, 39634−5, 39825, 39999, 40110−11, 40451, 40516, 40857

Ultrasonics in medicine; Munich, Germany, 12-16 May 1975, *E.Kazner, M.de Vlieger, H.R.Muller, V.R.McCready (editor/s),* [Amsterdam, Netherlands: Excerpta Medica 1976] 32945 (introductory abstract),

Urban hydrology, hydraulics, and sediment control; Lexington, Ky, USA, 27-29 July 1976, *(Lexington, KY, USA) B.J.Barfield (editor/s),* [Lexington, KY, USA: Univ. Kentucky 1976] 37266 (introductory abstract), 37267−82

Vibration and noise control engineering; Sydney, Australia, 11-12 Oct. 1976, *(Instn.· Engrs., Australia)* [Sydney, Australia: Instn. Engrs., Australia 1976] 19482−8, 19502

Water reactor fuel elements under accident conditions; Spatind, Norway, 13-16 Sept. 1976, [Paris, France: OECD 1976] 42159 (introductory abstract),

Water resources exploration; Erice, Italy, 15-26 April 1975, [Oct. 1976] 9526 (introductory abstract), 9328, 9450−1, 9527−30

Windtunnel testing numerical methods; Rhode-St-Genese, Belgium, 23-24 June 1976, [Neuilly sur Seine, France: AGARD 1976] 27634 (introductory abstract), 27550−2, 27557, 27635−6

World nuclear energy; Washington, D.C., USA, 14-19 Nov. 1976, *(American Nuclear Soc.; European Nuclear Soc.; Atomic Industrial Forum)* [1976] 34361 (introductory abstract), 33821−8, 33968, 34376−80, 34398−401, 34412−16, 34419−20, 34422−3, 34450−70, 34477, 34480, 34503, 37367, 37438−46, 37680−2, 37697−9, 37709−12, 38360−5, 38405−15, 38433, 39408, 39439, 40510, 40768, 40798−800, 41430−1, 42023−45, 42086−101, 42116−56, 42167−73, 42177−9, 42191, 42194−5, 42208, 42722

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ADL-Nachrichten Title changed to: *Online-ADL-Nachr. (Germany)*

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Air-Espace Tech. (France) — (AETQB4)
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Akust. Zh. (USSR) — (AKZHAE)
Akusticheskii Zhurnal Akademiya Nauk SSSR, Leninskii Prosp. 14, Moskva, USSR [English translation in: *Sov. Phys.-Acoust. (USA)*]

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Anal. Math. (Hungary)
Analysis Mathematics Kultura, Hungarian Trading Company for Books and Newspapers, H-1389 Budapest, P.O. Box 149, Hungary

Anal. MG (France) — (ANMGC3)
Analyses MG. Revue Technique Merlin Gerin DEP, 83 X, 38041 Grenoble Cedex, France

Analog Dialogue (USA) — (ANDIDX)
Analog Dialogue P.O. Box 280, Norwood, MA 02062, USA

Angew. Inf. (Germany) — (AWIFA7)
Angewandte Informatik (Applied Informatics) Friedr. Vieweg & Sohn Verlagsgesellschaft mbH, 6200 Wiesbaden, Gustav-Stresemann-Ring 12-16, Germany

Ann. Acad. Sci. Fenn. Ser. AI (Finland) — (AAFMAT)
Annales Academiae Scientiarum Fennicae, Series AI (Mathematica) Snellmaninkatu 9-11, 00170 Helsinki 17, Finland

Ann. Acad. Sci. Fenn. Ser. AII (Finland) — (AAFCAX)
Annales Academiae Scientiarum Fennicae, Series AII (Chemica) Snellmaninkatu 9-11, 00170 Helsinki 17, Finland

Ann. Acad. Sci. Fenn. Ser. AVI (Finland) — (AAFPA4)
Annales Academiae Scientiarum Fennicae, Series AVI (Physica) Snellmaninkatu 9-11, 00170 Helsinki 17, Finland

Ann. Assoc. Int. Calcul Analogique (Belgium) — (AAICAE)
Annales de l'Association Internationale pour le Calcul Analogique Title changed to: *Trans. Int. Assoc. Math. & Comput. Simulation (Belgium)*

Ann. Biomed. Eng. (USA) — (ABMECF)
Annals of Biomedical Engineering Academic Press Inc., 111 Fifth Avenue, New York, NY 10003, USA

Ann. Geofis. (Italy) — (AGFRAI)
Annali di Geofisica Istituto Nazionale di Geofisica, Citta Universitaria, Via Ruggero Bonghi 11/B, 00184 Roma, Italy

Ann. Geophys. (France) — (AGEPA7)
Annales de Geophysique Service des Publications du CNRS, 15 Quai Anatole-France, 75700 Paris, France

Ann. Inst. Henri Poincare Sect. A (France) — (AHPAAO)
Annales de l'Institut Henri Poincare, Section A (Physique Theorique) 11 Rue Pierre-Curie, Paris 5, France

Ann. Inst. Henri Poincare Sect. B (France) — (AHPBAR)
Annales de l'Institut Henri Poincare, Section B (Calcul des Probabilities et Statistique) 11 Rue Pierre-Curie, Paris 5, France

Ann. Nucl. Energy (GB) — (ANENDJ)
Annals of Nuclear Energy Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 OBW, England

Ann. Phys. (France) — (ANPHAJ)
Annales de Physique Masson et Cie S.A., 120 Boulevard Saint-Germain, F-75280 Paris Cedex 06, France

Ann. Phys. (Germany) — (ANPYA2)
Annalen der Physik J.A.Barth, Salomonstrasse 18B, Leipzig 701, Germany

Ann. Phys. (USA) — (APNYA6)
Annals of Physics Academic Press Inc., 111 Fifth Avenue, New York, NY 10003, USA

Ann. Sci. (GB) — (ANNSA8)
Annals of Science Taylor & Francis Ltd., 10-14 Macklin Street, London, WC2B 5NF, England

Ann. Soc. Sci. Bruxelles Ser. I (Belgium) — (ASSBAH)
Annales de la Societe Scientifique de Bruxelles, Serie I, Sciences Mathematiques, Astronomiques et Physiques Rue de Bruxelles 61, B5000 Namur, Belgium

Ann. Telecommun. (France) — (ANTEAU)
Annales des Telecommunications Centre National d'Etudes des Telecommunications, 38 Rue du General Leclerc, 92131 Issy-Les-Moulineaux, France

Ann. Tokyo Astron. Obs. (Japan) — (ATAOA7)
Annals of the Tokyo Astronomical Observatory University of Tokyo, Mitaka, Tokyo, Japan

Ann. Univ. Turku. Ser. AI (Finland) — (AUTUAP)
Annales Universitatis Turkuensis, Ser AI (Astronomica-Chemica-Physica-Mathematica) Turun Yliopisto, Turku, Finland

Annu. Proc. Assoc. Sci. & Tech. Soc. S. Afr. (S. Africa) — (ATSAAL)
Annual Proceedings of the Associated Scientific and Technical Societies of South Africa Kelvin House, Marshall and Hollard Streets, PO Box 5907, Johannesburg, South Africa

Annu. Rep. Eng. Res. Inst. Fac. Eng. Univ. Tokyo (Japan) — (AFUTAO)
Annual Report of the Engineering Research Institute, Faculty of Engineering, University of Tokyo Tokyo, Japan

Annu. Rep. Res. React. Inst. Kyoto Univ. (Japan) — (KURAAV)
Annual Reports of the Research Reactor Institute Kyoto University Osaka, Japan

Annu. Rev. Autom. Program. (GB) — (ARVAAM)
Annual Review in Automatic Programming Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 OBW, England

Annu. Univ. Sofia Fac. Phys. (Bulgaria) — (SUFGA9)
Annuaire de l'Universite de Sofia Faculte de Physique Sofiya, Bulgaria

Anritsu Tech. Bull. (Japan) — (ANTKAE)
Anritsu Technical Bulletin Anritsu Electric Co. Ltd., 12-20, 4 chome, Minami-Azabu, Minato-ku, Tokyo, Japan

Antenna (Italy) — (ANTNBO)
L'Antenna Via Monte Generoso 6/a, 20155 Milano, Italy

APE Eng. (GB) — (APEEA3)
APE Engineering Amalgated Power Engineering Ltd., P.O. Box 43, Bedford MK40 4JB, England

APL Tech. Dig. (USA) — (APLDAZ)
APL Technical Digest Applied Physics Laboratory, John Hopkins University, John Hopkins Road, Laurel, MD 20810, USA

Apl. Mat. (Czechoslovakia) — (APMTAK)
Aplikace Matematiky Academia, Publishing House of the Czechoslovak Academy of Sciences, Vodickova 40, 112 29 Praha 1, Czechoslovakia

Appl. Acoust. (GB) — (AACOBL)
Applied Acoustics Applied Science Publishers, Ripple Road, Barking, Essex, England

Appl. Anal. (GB) — (APANCC)
Applicable Analysis Gordon & Breach Science Publishers Ltd., 41 and 42 William IV Street, London, WC2, England

Appl. Energy (GB) — (APENDX)
Applied Energy Applied Science Publishers Ltd., Ripple Road, Barking, Essex, England

Appl. Math & Optimization (USA) — (AMOMBN)
Applied Mathematics and Optimization Springer-Verlag Inc. New York, 175 Fifth Avenue, New York, NY 10010, USA

Appl. Math. & Mech. (USA) — (AMMCBH)
Applied Mathematics and Mechanics [Translation of: *Prikl. Mat. & Mekh. (USSR)*] Pergamon Press, Maxwell House, Fairview Park, Elmsford, NY 10523, USA

Appl. Math. Modelling (GB)
Applied Mathematical Modelling IPC Science and Technology Press Ltd., IPC House, 32 High Street, Guildford, Surrey GU1 3EW, England

Appl. Opt. (USA) — (APOPAI)
Applied Optics Published for the Optical Society of America by the American Institute of Physics, 335 East 45th Street, New York, NY 10017, USA

Appl. Phys. (Germany) — (APHYCC)
Applied Physics Springer-Verlag, D-1000 Berlin 33, Heidelberger Platz 3, Germany

Appl. Phys. Lett. (USA) — (APPLAB)
Applied Physics Letters American Institute of Physics, 335 East 45th Street, New York, NY 10017, USA

Appl. Sci. Res. (Netherlands) — (ASRHAU)
Applied Scientific Research Martinus Nijhoff, Lange Voorhout 9, Den Haag, Netherlands

Appl. Sol. Energy (USA) — (ASOEA6)
Applied Solar Energy [Translation of: *Geliotekhnika (USSR)*] Allerton Press Inc., 150 Fifth Avenue, New York, NY 10011, USA

Appl. Spectrosc. (USA) — (APSPA4)
Applied Spectroscopy 428 East Preston Street, Baltimore, MD 21202, USA

Appl. Spectrosc. Rev. (USA) — (APSRBB)
Applied Spectroscopy Reviews Marcel Dekker Inc., 270 Madison Avenue, New York, NY 10016, USA

Appl. Stat. (GB) — (APSTAG)
Applied Statistics (Journal of the Royal Statistical Society Series C) Royal Statistical Society, 25 Enford Street, London, W1H 2BH, England

Arch. Autom. & Telemech. (Poland) — (AATMAV)
Archiwum Automatyki i Telemechanika Polska Akademia, Nauk, Zaklad Automatyki. Subscription address: CKPW 'Ruch', ul Wilcza 46, Warszawa 1, Poland

Arch. Eisenbahntech. (Germany) — (AEBTAO)
Archiv fur Eisenbahntechnik Hestra-Verlag, 61 Darmstadt, Holzhofallee 33,, Germany

Arch. Eisenhuettenwes. (Germany) — (AREIAT)
Archiv fur das Eisenhuttenwesen Verlag Stahleisen mgH, 4 Dusseldorf 1, Postfach 8229, Germany

Arch. Elektron. & Uebertragungstech. (Germany) — (AEUTAH)
Archiv fur Elektronik und Ubertragungstechnik (Electronics and Communication) S. Hirzel Verlag, D-7 Stuttgart 1, Birkenwaldstrasse 44, Postfach 347, Germany

Arch. Elektrotech. (Germany) — (AELTA6)
Archiv fur Elektrotechnik Springer-Verlag, D-1000 Berlin 33, Heidelberger Platz 3, Germany

Arch. Elektrotech. (Poland) — (ARELA4)
Archiwum Elektrotechniki Polska Akademia Nauk, Warszawa, ul Koszykowa 75. Subscription address: Export-Import Enterprise 'Ruch', ul. Wronia 23, Warszawa 1, Poland

Arch. Hutn. (Poland) — (AHUTA4)
Archiwum Hutnictwa Export-Import Enterprise 'Ruch', ul. Wilcza 46, Warszawa 1, Poland

Arch. Math. Logik & Grundlagenforsch. (Germany) — (AMLGAN)
Archiv fur Mathematische Logik und Grundlagenforschung Verlag W. Kohlhammer GmbH, Stuttgart 1, Postfach 747, Urbanstrasse 12-16, Germany

Arch. Mech. (Poland) — (AMESAO)
Archives of Mechanics (Archiwum Mechaniki Stosowanej) Polish Scientific Publishers, Swietokrzyska 21, Warszawa, Poland

Arch. Ration. Mech. & Anal. (Germany) — (AVRMAW)
Archive for Rational Mechanics and Analysis Springer-Verlag, D1000 Berlin 33, Heidelberger Platz 3, Germany

Arch. Sci. (Switzerland) — (ASGVAH)
Archives des Sciences Societe de Physique et d'Histoire Naturelle de Geneve. Subscription address: Librairie Payot, 6 Rue Grenus, 1211 Geveva 11, Switzerland

Arch. Tech. Mess. & Messtech. Prax. (Germany) — (ATMPC4)
Archiv fur Technisches Messen & Messtechnische Praxis Title changed to: *Tech. Mess. - ATM (Germany)*

Archaeometry (GB) — (ARCHAG)
Archaeometry Cambridge University Press, P.O. Box 92, London, NW1 2DB, England

Ark. Fys. Semin. Trondheim (Norway) — (AFYTAA)
Arkiv for det Fysiske Seminar i Trondheim c/o Institutt for Teoretisk Fysikk, Universitetet i Trondheim, NTH, N-7034 Trondheim, Norway

Ark. Mat. (Sweden) — (AKMTAJ)
Arkiv for Matematik Institut Mittag-Leffler, Auravagen 17, S-182 62 Djursholm, Sweden

Artif. Intell. (Netherlands) — (AINTBB)
Artificial Intelligence North-Holland Publishing Co., P.O. Box 211, Amsterdam, Netherlands

Asea J. (Sweden) — (ASEJA5)
Asea Journal Allmanna Svenska Elektriska AB, S-721 83 Vasteras, Sweden

Asea Res. (Sweden) — (ASEAAC)
Asea Research Almanna Svenska Elektriska AB, S-72183 Vasteras, Sweden

ASLE Trans. (USA) — (ASLTA2)
ASLE Transactions American Society of Lubrication Engineers, 838 Busse Highway, Park Ridge, IL 60068, USA

Aslib Proc. (GB) — (ASLPAO)
Aslib Proceedings 3 Belgrave square, London, SW1X 8PL, England

Assoc. Lit. & Linguist. Comput. Bull. (GB) — (ALLCB5)
Association for Literary and Linguistic Computing Bulletin Editorial address: Mrs. J.M. Smith, 6 Sevenoaks Avenue, Heaton Moor, Stockport, Cheshire SK4 4AW, Wales

ASTM Stand. News (USA) — (STDNAD)
ASTM Standardization News American Society for Testing and Materials, 1916 Race Street, Philadelphia, PA 19103, USA

Astrofizika (USSR) — (ASTKBG)
Astrofizika Academy of the Armenian SSR, Erevan, USSR [English translation in: *Astrophysics (USA)*]

Astrometriya & Astrofiz. (USSR) — (AAFZBZ)
Astrometriya i Astrofizika Izdatel'svto 'Naukova Dumka', Kiev, Repina 3, USSR

Astron. & Astrophys. (Germany) — (AAEJAF)
Astronomy and Astrophysics Springer-Verlag, D-1000 Berlin 33, Heidelberger Platz 3, Germany

Astron. & Astrophys. Suppl. Ser. (Switzerland) — (AAESB9)
Astronomy and Astrophysics Supplement Series Institut d'Astronomie de l'Universite de Lausanne et Observatoire de Geneve, CH-1290 Sauverny, Switzerland

Astron. & Space (GB) — (AYSPBY)
Astronomy & Space Bratton Publishing Ltd., 17 Rutland Street, Edinburgh, EH1 2AQ, Scotland

Astron. J. (USA) — (ANJOAA)
Astronomical Journal Published for the American Astronomical Society by the American Institute of Physics, 335 East 45th Street, New York, NY 10017, USA

Astron. Nachr. (Germany) — (ASNAAN)
Astronomische Nachrichten Akademie-Verlag, DDR-108 Berlin, Leipziger Strasse 3-4, Germany

Astron. Tidsskr. (Sweden) — (ANTKBF)
Astronomisk Tidsskrift Editorial address: Institutionen for Astronomi, 222 24 Lund, Sweden

Astron. Vestn. (USSR) — (ASVEA7)
Astronomicheskii Vestnik ab/yasht 918, Moskva, K-9, USSR [English translation in: *Sol. Syst. Res. (USA)*]

Astron. Zh. (USSR) — (ASZHA2)
Astronomicheskii Zhurnal Agent: Mezhdunarodnaya Kniga, Moskva, USSR [English translation in: *Sov. Astron. (USA)*]

Astronomy (USA) — (ASTRD5)
Astronomy Astro Media Corp., 411 E. Mason Street, 6th Floor, Milwaukee, WI 53202, USA

Astrophys. & Space Sci. (Netherlands) — (APSSBE)
Astrophysics and Space Science D. Reidel Publishing Co., P.O. Box 17, Dordrecht, Netherlands

Astrophys. J. (USA) — (ASJOAB)
Astrophysical Journal University of Chicago Press, 5801 Ellis Avenue, Chicago, IL 60637, USA

Astrophys. J. Lett. Ed. (USA) — (AJLEAU)
Astrophysical Journal. Letters to the Editor University of Chicago Press, 5801 Ellis Avenue, Chicago, IL 60637, USA

Astrophys. J. Suppl. (USA) — (APJSA2)
Astrophysical Journal Supplement University of Chicago Press, 5801 Ellis Avenue, Chicago, IL 60637, USA

Astrophys. Lett. (GB) — (ASTLAI)
Astrophysical Letters Gordon & Breach Science Publishers Ltd., 41 and 42 William IV Street, London, WC2, England

Astrophysics (USA) — (ATPYAA)
Astrophysics [Translation of: *Astrofizika (USSR)*] Consultants Bureau, 227 West 17th Street, New York, NY 10011, USA

At. & Strom (Germany) — (ATSTAA)
Atom und Strom Vereinigung Deutscher Elektrizitatswerke, Verlags-u. Wirtschaftsgesellschaft der Elektrizitatswerke, Stresemannallee 23, 6000 Frankfurt (Main) 70, Germany

At. Absorpt. Newsl. (USA) — (AABNAC)
Atomic Absorption Newsletter Perkin Elmer Corp., Main Avenue, Norwalk, CT 06856, USA

At. Data & Nucl. Data Tables (USA) — (ADNDAT)
Atomic Data and Nuclear Data Tables Academic Press Inc., 111 Fifth Avenue, New York, NY 10003, USA

At. Energ. (USSR) — (AENGAB)
Atomnaya Energiya Akademiya Nauk SSR, Leninskii Prosp. 14, Moskva, USSR [English translation in: *Sov. At. Energy (USA)*]

At. Energy Aust. (Australia) — (AEAUAM)
Atomic Energy in Australia Australian Atomic Energy Commission, Post Office, Coogee, N.S.W. 2034, Australia

Atmos. Environ. (GB) — (ATENBP)
Atmospheric Environment Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 OBW, England

Atom (GB) — (ATMMAR)
Atom United Kingdom Atomic Energy Authority, 11 Charles II Street, London, SW1Y 4QP, England

Atomkernenergie (Germany) — (ATKEAR)
Atomkernenergie Verlag Karl Thiemig AG, Pilgersheimerstrasse 38, Postfach 90 0740, D-8000 Munchen 90, Germany

Atomwirtsch.-Atomtech. (Germany) — (AWAKAG)
Atomwirtschaft-Atomtechnik Handelsblatt GmbH, 4 Dusseldorf 1, Kreuzstrasse 21, Postfach 1102, Germany

Atoomenerg. Toepass. (Netherlands) — (AETPAY)
Atoomenergie en haar Toepassingen Title changed to: *Energiespectrum (Netherlands)*

Atti Accad. Ligure Sci. & Lett. (Italy) — (AALGA7)
Atti della Accademia Ligure di Scienze e Lettere Palazzo Reale, Via Balbi 10, 16126 Genova, Italy

Atti Accad. Naz. Lincei, Rend. Cl. Sci. Fis. Mat. & Nat. (Italy) — (AANLAW)
Atti della Accademia Nazionale dei Lincei. Rendiconti, Classe di Scienze Fisiche, Matematiche e Naturali Via della Lungara 10, 000165 Roma, Italy

Atti Accad. Sci. Torino I (Italy) — (AATFAA)
Atti della Accademia delle Scienze di Torino. I. Classe di Scienze Fisiche, Mathematiche e Naturali Via Accademia delle Scienze 6, Via Maria Vittoria 3, Torino (208), Italy

Atti Fond. Giorgio Ronchi & Contrib. Ist. Naz. Ottica (Italy) — (AFROAS)
Atti della Fondazione Giorgio Ronchi e Contributi dell' Istituto Nazionale di Ottica Title changed to: *Atti Fond. Giorgio Ronchi (Italy)*

Atti Fond. Giorgio Ronchi (Italy) — (AFDGA2)
Atti della Fondazione Giorgio Ronchi Formerly: *Atti Fond. Giorgio Ronchi & Contrib. Ist. Naz. Ottica (Italy)* Largo Enrico Fermi 1, 50125 Arcetri-Firenze, Italy

Atti Semin. Mat. & Fis. Univ. Modena (Italy) — (ASMMAK)
Atti del Seminario Matematico e Fisico dell' Universita di Modena Modena, Italy

Atti Soc. Astron. Ital. (Italy) — (SIATA7)
Atti Societa Astronomica Italiana Via Brera 28, Milano, Italy

Atti Soc. Peloritana Sci. Fis. Mat. & Nat. (Italy) — (ASPSAJ)
Atti della Societa Peloritana di Scienze Fisiche Mathematiche e Naturali Universita di Messina, Messina, Italy

Audio Scene Can. (Canada) — (AUSCC2)
Audio Scene Canada Maclean-Hunter Ltd., 481 University Avenue, Toronto M5W 1A7, Canada

Audiov. Instr. (USA) — (AVINAO)
Audiovisual Instruction 1201 16th Street N.W., Washington, DC 20036, USA

Augenoptik (Germany) — (AUGOAA)
Augenoptik VEB Verlag Technik, 102 Berlin, Oranienburger Strasse 13/14, Germany

Aust. Comput. J. (Australia) — (ACMJB2)
Australian Computer Journal Australian Trade Publications, 28 Chippen Street, Chippendale, N.S.W. 2008, Australia

Aust. Electron. Eng. (Australia) — (AUEEB5)
Australian Electronics Engineering Thomson Publications (Australia) Pty. Ltd., 47 Chippen Street, Chippendale, N.S.W. 2008, Australia

Aust. Geomech. J. (Australia) — (AUGJBU)
Australian Geomechanics Journal Institution of Engineers, Australia, Science House, Gloucester & Essex Streets, Sydney, N.S.W. 2000, Australia

Aust. J. Instrum. & Control (Australia) — (AJICA9)
Australian Journal of Instrumentation and Control Research Publications Pty. Ltd., 418 Canterbury Road, Surrey Hills 3127, Victoria, Australia

Aust. J. Phys. (Australia) — (AUJPAS)
Australian Journal of Physics Commonwealth Scientific and Industrial Research Organization, Sixth Floor, 372 Albert Street, East Melbourne, Victoria 3002, Australia

Aust. J. Phys. Astrophys. Suppl. (Australia) — (AJPAB5)
Australian Journal of Physics, Astrophysical Supplement Commonwealth Scientific and Industrial Research Organization, Sixth Floor, 372 Albert Street, East Melbourne, Victoria 3002, Australia

Aust. Telecommun. Res. (Australia) — (ATRABH)
Australian Telecommunication Research Telecommunication Society of Australia, Box 4050, G.P.O., Melbourne, Victoria 3001, Australia

Autom. & Inf. Ind. (France) — (AQIIA8)
Automatique & Informatique Industrielles Societe des Editions Radio, 9 Rue Jacob, 75006 Paris, France

Autom. & Remote Control (USA) — (AURCAT)
Automation and Remote Control [Translation of: *Avtom. & Telemekh. (USSR)*] Consultants Bureau, 227 West 17th Street, New York, NY 10011, USA

Autom. & Strum. (Italy) — (ATSZAS)
Automazione e Strumentazione Associazione Nazionale Italiana per l'Automazione, Via Marcona 49, 20129 Milano, Italy

Autom. Act. Health Sci. Libr. (USA) — (LARLD6)
Automated Activities in Health Sciences Libraries LARC Association, P.O. Box 27235, Tempe, AZ 85282, USA

Autom. Control & Comput. Sci. (USA)
Automatic Control and Computer Sciences [Translation of: *Avtom. & Vychisl. Tekh. (USSR)*] Allerton Press Inc., 150 Fifth Avenue, New York, NY 10011, USA

Autom. Control Theory & Appl. (Canada) — (ACTACB)
Automatic Control Theory and Applications Acta Press, P.O. Box 3243, Postal Station B, Calgary, Alberta T2M 4L8, Canada

Autom. Mach. (USA) — (AUMAAW)
Automatic Machining Screw Machine Publishing Co. Inc., 65 Broad Street, Rochester, NY 14614, USA

Autom. Monit. & Meas. (GB)
Automatic Monitoring and Measuring [Translation of: *Avtometriya (USSR)*] Scientific Information Consultants Ltd., 661 Finchley Road, London NW2 2HN, England

Autom. Syst. Rizeni (Czechoslovakia) — (ASRID2)
Automatizovane Systemy Rizeni-Bulletin INGORA INORGA, Praha 1, Letenska Ul. 17, Czechoslovakia

Autom. Weld. (GB) — (AUWEAQ)
Automatic Welding [Translation of: *Avtom. Svarka (USSR)*] Welding Institute, Abington Hall, Abington, Cambridge CB1 6AL, England

Automatica (GB) — (ATCAA9)
Automatica Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 OBW, England

Automatie (Netherlands) — (AUTOA7)
Automatie Breedenbroekseweg 8A, Voorst bij Gendringen, Amsterdam, Netherlands

Automatika (Yugoslavia) — (ATKAAF)
Automatika Zagreb, Unska Ulica br.17, Postanski Pretinac 123, Yugoslavia

Automation (GB) — (ATMNBV)
Automation E.D. Publications Ltd., 120 Wigmore Street, London, W1H OAS, England

Automation (USA) — (ATMNAU)
Automation Title changed to: *Prod. Eng. (USA)*

Automatisme (France) — (AUMTAL)
Automatisme Dunod/Gauthier-Villars, Centrale des Revues, 24-26 Boulevard de L'Hopital, 75005 Paris, France

Automatizace (Czechoslovakia) — (AUTMAZ)
Automatizace SNTL, 11302 Praha 1, Spalena ul. 51, Czechoslovakia

Automedica (GB) — (AUMDC9)
Automedica Gordon and Breach Science Publishers Ltd., 41 and 42 William IV Street, London, WC2, England

AV Commun. Rev. (USA) — (AVCRD9)
AV Communication Review Association for Educational Communications and Technology, 1126 16th Street, N.W., Washington, DC 20036, USA

Avh. Nor. Vidensk.-Akad. Oslo I (Norway) — (AUNVAW)
Avhandlingar utgitt av det Norske Videnskaps-Akademi i Oslo, I. Mathematisk-Naturvidenskaplige Klasse Faculty of Mathematics and Science, University of Oslo, Blindern per Oslo, Norway

Aviat. Rev. (GB) — (AVRVBQ)
Aviation Review Smiths Industries Ltd., Aviation Division, Cricklewood, London NW2 6JN, England

Avtom. & Telemekh. (USSR) — (AVTEAI)
Avtomatika i Telemekhanika Akademiya Nauk SSSR, Leninskii Prosp. 14, Moskva, USSR [English translation in: *Autom. & Remote Control (USA)*]

Avtom. & Vychisl. Tekh. (USSR) — (AVYTAK)
Avtomatika i Vychislitel'naya Tekhnika Academy of Sciences of Latvian SSR, Riga, USSR [English translation in: *Autom. Control & Comput. Sci. (USA)*]

Avtom. Svarka (USSR) — (AVSVAU)
Avtomaticheskaya Svarka Ukrainian SSR Academy of Sciences, Arc Welding Institute, Kiev, USSR [English translation in: *Autom. Weld. (GB)*]

Avtom. Telemekh. Svyaz (USSR) — (ATSVAG)
Avtomatika, Telemekhanika, Svyaz' 262 Karl Marx Street, 11 Moskva, USSR

Avtomatika (USSR) — (AVTMA8)
Avtomatika Institution of Cybernetics, 102 Brest-Litovskii Prosp., Kiev 57, USSR [English translation in: *Sov. Autom. Control (USA)*]

Avtometriya (USSR) — (AVMEBI)
Avtometriya Science Publishing House, Siberian Division, Novosibirsk, USSR [English translation in: *Autom. Monit. & Meas. (GB)*]

AWA Tech. Rev. (Australia) — (AWARA3)
AWA Technical Review AWA Research Laboratories, 422 Lane Cove Road, North Ryde, N.S.W, Australia

Bangladesh J. Sci. & Ind. Res. — (BJSIBL)
Bangladesh Journal of Scientific and Industrial Research Bangladesh Council of Scientific and Industrial Research, Dacca, Bangladesh

Bauelem. Elektrotech. (Germany) — (BEETAG)
Bauelemente der Elektrotechnik Verlag fur Technik und Wirtschaft Meynen KG, 62 Wiesbaden, Kaiser-Friedrich-Ring 49, Postfach 5709, Germany

BBC Eng. (GB) — (BBEGBP)
BBC Engineering British Broadcasting Corporation Publications, 35 Marylebone High Street, London, W1M 4AA, England

BBC Nachr. (Germany) — (BBCNAZ)
BBC Nachrichten Brown Boveri & Cie, Aktiengesellschaft, 6800 Mannheim 1, Postfach 35, Germany

Beck Isoliertech. (Germany) — (BITKAO)
Beck Isoliertechnik Dr. Beck & Co. AG, 2 Hamburg 28, Postfach 280180, Eiselensweg 5-11, Germany

Behav. Res. Methods & Instrum. (USA) — (BRMIAC)
Behavior Research Methods and Instrumentation Psychonomic Society Inc., 1108 West 34th Street, Austin, TX 78705, USA

Behav. Sci. (USA) — (BEHSAS)
Behavioral Science University of Louisville, P.O. Box 1055, Louisville, KY 40201, USA

Beitr. Plasma Phys. (Germany) — (BPPHAA)
Beitrage aus der Plasma Physik Akademie-Verlag, 108 Berlin, Leipzigerstrasse 3-4, Germany

Belgelectro-Export (Belgium) — (BEEXAS)
Belgelectro-Export 21 rue des Drapiers, 1050 Bruxelles, Belgium

Bell J. Econ. & Manage. Sci. (USA) — (BJEMAU)
Bell Journal of Economics and Management Science Title changed to: *Bell J. Econ. (USA)*

Bell J. Econ. (USA) — (BJECD3)
Bell Journal of Economics Formerly: *Bell J. Econ. & Manage. Sci. (USA)* American Telephone and Telegraph Co., 195 Broadway, Room C 1800, New York, NY 10007, USA

Bell Lab. Rec. (USA) — (BLRCAB)
Bell Laboratories Record Bell Telephone Laboratories, Mountain Avenue, Murray Hill, NJ 07974, USA

Bell Syst. Tech. J. (USA) — (BSTJAN)
Bell System Technical Journal American Telephone and Telegraph Co., 195 Broadway, New York, NY 10007, USA

Ber. Bunsenges. Phys. Chem. (Germany) — (BBPCAX)
Berichte der Bunsengesellschaft fur Physikalische Chemie Verlag Chemie, 694 Weinheim/Bergstrasse, Postfach 1260/1280, Germany

Ber. Dtsch. Keram. Ges. (Germany) — (BDKGAY)
Berichte der Deutschen Keramischen Gesellschaft 534 Bad Honnef 1, Menzenberger Strasse 47, Postfach 129, Germany

Bio-Med. Eng. (GB) — (BIMEB6)
Bio-Medical Engineering Title changed to: *J. Med. Eng. & Technol. (GB)*

Biofizika (USSR) — (BIOFAI)
Biofizika Izdatel'stvo 'Nauka', Moskva, USSR [English translation in: *Biophysics (GB)*]

Biol. Cybern. (Germany) — (BICYAF)
Biological Cybernetics Springer-Verlag, D-1000 Berlin 33, Heidelberger Platz 3, Germany

Biomater. Med. Devices & Artif. Organs (USA) — (BMDOAI)
Biomaterials, Medical Devices, and Artificial Organs Marcel Dekker Inc., 270 Madison Avenue, New York, NY 10016, USA

Biomed. Eng. (USA) — (BIOEAF)
Biomedical Engineering [Translation of: *Med. Tekh. (USSR)*] Consultants Bureau, 227 West 17th Street, New York, NY 10011, USA

Biomed. Tech. (Germany) — (BMZTA7)
Biomedizinische Technik (Biomedical Engineering) Fachverlag Schiele & Schon GmbH, 1 Berlin 16, Markgrafenstrasse 11, Germany. Georg Thieme Verlag, 7 Stuttgart 1, Postfach 732, Herdweg 63, Germany

Biometrika (GB) — (BIOKAX)
Biometrika Biometrika Trust, Biometrika Office, University College London, Gower Street, London, WC1E 6BT, England

Bionika (USSR) — (BNKABJ)
Bionika Izdatel'stvo 'Naukova Dumka', Kiev, Repina 3, USSR

Biophys. J. (USA) — (BIOJAU)
Biophysical Journal Rockefeller University Press, 1230 York Avenue, New York, NY 10021, USA

Biophys. Struct. & Mech. (Germany) — (BSMHBH)
Biophysics of Structure and Mechanism Springer-Verlag, D-1000 Berlin 33, Heidelberger Platz 3, Germany

Biophysics (GB) — (BIOPAE)
Biophysics [Translation of: *Biofizika (USSR)*] Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 OBW, England

Biotelemetry (Switzerland) — (BTMYA6)
Biotelemetry S. Karger AG, Arnold-Bocklin-Strassé 25, CH-4011 Basel, Switzerland

BIT (Sweden) — (NBITAB)
BIT (Nordisk Tidskrift for Informationsbehandling) Institutionen for Informationsbehandling, Lunds Universitet, Solvegatan 14A, S-22362 Lund, Sweden

Biul. Inst. Energ. (Poland) — (BIEGA5)
Biuletyn Institutu Energetyki Issued with: *Energetyka (Poland)*

BKSTS J. (GB) — (BKSTBR)
BKSTS Journal British Kinematography Sound and Television Society, 110/112 Victoria House, Vernon Place, London, WC1B 3DJ, England

BLL Rev. (GB) — (BLLRAQ)
BLL Review British Library Lending Division, Boston Spa, Wetherby, Yorks. LS23 7BQ, England. HMSO, 49 High Holborn, London, WC1V 6HB

Bol. Fac. Ing. & Agrimensura Montevideo (Uruguay) — (BFIAAK)
Boletin de la Facultad de Ingenieria y Agrimensura de Montevideo Herrera y Reissig 565, Montevideo, Uruguay

Bol. Inst. Tonantzintla (Mexico) — (BITOD5)
Boletin del Instituto de Tonantzintla Instituto Nacional de Astrofisica, Optica y Electronica, Apartados Postales Nos. 216 y 51, Puebla, Pue, Mexico

Boll. Geofis. Teor. & Appl. (Italy) — (BGTAAE)
Bollettino di Geofisica Teorica ed Applicada Osservatorio Geofisico Sperimentale, 34123 Trieste, Italy

Boundary-Layer Meteorol. (Netherlands) — (BLMEBR)
Boundary-Layer Meteorology D. Reidel Publishing Co., P.O. Box 17, Dordrecht, Netherlands

Br. Corros. J. (GB) — (BCRJA3)
British Corrosion Journal Metals Society, 1 Carlton House Terrace, London, SW1Y 5DB, England

Br. J. Hist. Sci. (GB) — (BJHSAT)
British Journal for the History of Science British Society for the History of Science, 47 Belgrave Square, London, SW1 8QX, England

Br. J. Non-Destr. Test. (GB) — (BJNTAS)
British Journal of Non-Destructive Testing Non-Destructive Testing Society, Maitland House, Warrior Square, Southend-on-Sea, Essex, England

Br. J. Philos. Sci.(GB) — (BJPIA5)
British Journal for the Philosophy of Science Cambridge University Press, Bentley House, 200 Euston Road, London, NW1 2DB, England

Br. J. Photogr. (GB) — (BRJFAM)
British Journal of Photography Henry Greenwood & Co., 24 Wellington Street, London, WC2E 7DH, England

Br. J. Radiol. (GB) — (BJRAAP)
British Journal of Radiology British Institute of Radiology, 32 Welbeck Street, London, W1M 7PG, England

Br. Polym. J. (GB) — (BPOJAB)
British Polymer Journal Society of Chemical Industry, 14 Belgrave Square, London, SW1, England

Brennst.-Waerme-Kraft (BWK) (Germany) — (BRWKAY)
BWK. Brennstoff-Warme-Kraft VDI-Verlag, Postfach 1139, 4 Dusseldorf 1, Germany

Brown Boveri Rev. (Switzerland) — (BRBOA9)
Brown Boveri Review Brown Boveri, CH-5401 Baden, Switzerland

Bruel & Kjaer Tech. Rev. (Denmark) — (BKTRAP)
Bruel and Kjaer Technical Review Bruel & Kjaer, DK-2850 Naerum, Denmark

Budavox Telecommun. Rev. (Hungary) — (BUTRAR)
Budavox Telecommunication Review Budavox Telecommunication Foreign Trading Co. Ltd., Budapest 62, P.O. Box 267, Hungary

Buerotech. Autom. & Organ. (Germany) — (BUOGA3)
Burotechnik Automation & Organisation Title changed to: *Buerotechnik (Germany)*

Buerotechnik (Germany) — (BUERDN)
Burotechnik Formerly: *Buerotech. Autom. & Organ. (Germany)* Goller Verlag, 757 Baden-Baden, Postfach 240, Hauptstrasse 4, Germany

Build. Serv. Eng. (GB) — (BSVEAI)
Building Services Engineer Institution of Heating and Ventilating Engineers, 49 Cadogan Square, London, SW1X OJB, England

Building (GB) — (BULDBE)
Building Builder Ltd., Builder House, P.O. Box 135, 4 Catherine Street, London, WC2B 5JN, England

Bul. Inst. Politeh. Brasov Ser. A (Rumania) — (BPTBAC)
Buletinul Institutului Politehnic din Brasov, Seria A Mecanica Bd. Gh. Gheorghiu-Dej nr 3, Brasov, Rumania

Bul. Inst. Politeh. 'Gheorghe Gheorghiu-Dej' Bucuresti (Rumania) — (BIGBAY)
Buletinul Institutului Politehnic 'Gheorghe Gheorghiu-Dej' Bucuresti Calea Grivitei 132, Bucuresti, Rumania

Bul. Inst. Politeh. Iasi Sect. III (Rumania) — (BUPIAE)
Buletinul Institutului Politehnic din Iasi. Sectia III Electrotehnica. Electronica, Automatizari Institutul Politehnic Iasi, Iasi, Rumania

Bul. Inst. Politeh. Iasi. Sect. I (Rumania) — (BMTFA3)
Buletinul Institutului Politehnic din Iasi. Sectia I Matematica, Mecanica, Teoretica, Fizica Polytechnic Institute, Iasi, Rumania

Bul. Inst. Stud. & Proj. Energ. (Rumania) — (ISPBAM)
Buletinul Institutului de Studii si Projectari Energetice Institutului de Studii si Projectari Energetice, Bucuresti, Bd. Lacul Tei nr 1, Sectorul II, Rumania

Bul. Stiint. & Teh. Inst. Politeh. 'Traian Vuia' Timisoara Ser. Electroteh. (Rumania) — (BTIEBT)
Buletinul Stiintific si Tehnic al Institutului Politehnic 'Traian Vuia' Timisoara, Seria Electrotehnica Timisoara, Rumania. Now merged into Bul. Stiint. & Teh. Inst. Politeh. 'Traian Vuia' Timisoara (Rumania)

Bul. Stiint. & Teh. Inst. Politeh. 'Traian Vuia' Timisoara Ser. Chim. (Rumania) — (BTICBN)
Buletinul Stiintific si Tehnic al Institutului Politehnic 'Traian Vuia' Timisoara, Seria Chimie Timisoara, Rumania. Now merged into Bul. Stiint. & Teh. Inst. Politeh. (QUOTE)Traian Vuia' Timisoara (Rumania)

Bul. Stiint. & Teh. Inst. Politeh. 'Traian Vuia' Timisoara Ser. Mec. (Rumania) — (BTIMBJ)
Buletinul Stiintific si Tehnic al Institutului Politehnic 'Traian Vuia' Timisoara, Seria Mecanica Timisoara, Rumania. Now merged into Bul. Stiint. & Teh. Inst. Politeh. 'Traian Vuia' Timisoara (Rumania)

Bul. Stiint. & Teh. Inst. Politeh. 'Traian Vuia' Timisoara Ser. Mat. Fiz. Mec. Teor. & Apl. (Rumania) — (BTMFBI)
Buletinul Stiintific si Tehnic al Institutului Politehnic 'Traian Vuia' Timisoara, Seria Matematica-Fizica-Mecanica Teoretica si Aplicata Timisoara, Rumania. Now merged into Bul. Stiint. & Teh. Inst. Politeh. 'Traian Vuia' Timisoara (Rumania)

Bul. Stiint. & Teh. Inst. Politeh. 'Traian Vuia' Timisoara (Rumania) — (BSPTAX)
Buletinul Stiintific si Tehnic al Institutului Politehnic 'Traian Vuia' Timisoara (Rumania) Timisoara, Rumania

Bul. Stiint. Inst. Politeh. Cluj Ser. Electromec. (Rumania) — (BSIPAK)
Buletinul Stiintific al Institutului Politehnic Cluj. Seria Electromecanica Str. Emil Isac Nr. 15, Cluj, Rumania

Bulg. J. Phys. (Bulgaria) — (BJPHD5)
Bulgarian Journal of Physics Bulgarian Academy of Sciences, Faculty of Physics, 5 Anton Ivanov Blvd., 1126 Sofia, Bulgaria

Bull. Acad. Pol. Sci. Ser. Sci. Math. Astron. & Phys. (Poland) — (BAPMAM)
Bulletin de l'Academie Polonaise des Sciences. Serie des Sciences Mathematiques, Astronomiques et Physiques Polish Academy of Sciences, Distribution Centre for Scientific Publications, Palac Kultury i Nauki, Warszawa, Poland

Bull. Acad. Pol. Sci. Ser. Sci. Tech. (Poland) — (BAPTA9)
Bulletin de l'Academie Polonaise des Sciences. Serie des Sciences Techniques 00-901 Warszawa, Palac Kultury i Nauki, P.O. Box 20, Poland

Bull. Acad. Sci. USSR, Phys. Ser. (USA) — (BUPSAA)
Bulletin of the Academy of Sciences of the USSR, Physical Series [Translation of: *Izv. Akad. Nauk SSSR Ser. Fiz.*] Allerton Press Inc., 150 Fifth Avenue, New York, NY 10011, USA

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Bulletin of the American Meteorological Society 45 Beacon Street, Boston, MA 02108, USA

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Bulletin de l'Association Suisse des Electriciens (Organe Commun de l'Association Suisse des Electriciens (ASE) et de l'Union des Centrales Suisses d'Electricite (UCS)) Seefeldstrasse 301, Case Postale 229, 8008 Zurich, Switzerland

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Bulletin of the Astronomical Institutes of Czechoslovakia Academia, Publishing House of Czechoslovak Academy of Sciences, Vodickova 40, 112 29 Praha 1, Czechoslovakia

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Bulletin of the Australian Mathematical Society University of Queensland Press, St. Lucia, Queensland 4067, Australia

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Bulletin British Society of Rheology Properties of Fluids Division, National Engineering Laboratory, East Kilbride, Glasgow, Scotland

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Bulletin of the College of Science. Part 1 University of Baghdad, Baghdad, Iraq

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Bulletin de la Direction des Etudes et Recherches, Serie B, Electricite De France, Direction des Etudes et Recherches, 1 Avenue Du General De Gaulle, 92140 Clamart, France

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Bulletin of the Faculty of Engineering Hiroshima University Hiroshima, Japan

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Bulletin of the Faculty of Engineering, Ibaraki University Ibaraki, Japan

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Bulletin of Faculty of Engineering, Tokushima University Minami-Josanjima-cho, Tokushima, Japan

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Bulletin of the Faculty of Engineering of Yokohama National University Ohka-machi, Minami-ku, Yokohama, Japan

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Bulletin Geodesique Bureau Central de l'Association Internationale de Geodesie, 39 Rue Guy-Lussac, 75005 Paris, France

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Bulletin of the Indian National Science Academy Bahadur Shar Zafar Marg, New Delhi 1, India

Bull. Inf. Sci. & Tech. (France) — (BUIAAN)
Bulletin d'Informations Scientifiques et Techniques Centrale des Revues, Dunod/Gauthier-Villars, 26 Boulevard de l'Hopital, 75005 Paris, France

Bull. Inst. Chem. Res. Kyoto Univ. (Japan) — (BICRAS)
Bulletin of the Institute for Chemical Research, Kyoto University Kyoto, Japan

Bull. Inst. Space & Aeronaut. Sci. Univ. Tokyo A (Japan) — (TDUHAD)
Bulletin of the Institute of Space and Aeronautical Science, University of Tokyo A Tokyo, Japan

Bull. Inst. Space & Aeronaut. Sci. Univ. Tokyo B (Japan) — (TKUHBT)
Bulletin of the Institute of Space and Aeronautical Science, University of Tokyo B Tokyo, Japan

Bull. Int. Sect. ISSA Prev. Occup. Risks Electr. (Germany)
Bulletin of the International Section of the ISSA for the Prevention of Occupational Risks due to Electricity Berufgenossenschaft der Feinmechanik und Elektrotechnik, D-5000 Koln 51, Oberlander Ufer 130, Germany

Bull. Isr. Phys. Soc. (Israel) — (BIPYBD)
Bulletin of the Israel Physical Society Israel Physical Society, c/o Hebrew University, Jerusalem, Israel

Bull. Isr. Soc. Spec. Libr. & Inf. Cent. (Israel) — (ISLBA2)
Bulletin Israel Society of Special Libraries and Information Centres P.O. Box 20125, Tel Aviv, Israel

Bull. Jpn. Soc. Precis. Eng. (Japan) — (BJPEAR)
Bulletin of the Japan Society of Precision Engineering Ceramic Building, 22-17, 2-Chome, Hyakunincho, Shinjuku-ku, Tokyo, Japan

Bull. JSME (Japan) — (BJSEA8)
Bulletin of the Japan Society of Mechanical Engineers Sanshin Hokusei Building, 4-9, Yoyogi 2-Chome, Shibuya-Ku, Tokyo 151, Japan

Bull. Kyushu Inst. Technol. (Sci. & Technol.) (Japan) — (KKDKAN)
Bulletin of the Kyushu Institute of Technology (Science and Technology) Tŏbata, Japan

Bull. Kyushu Inst. Technol. Math. Nat. Sci. (Japan) — (BKTMAA)
Bulletin of the Kyushu Institute of Technology. Mathematics, Natural Science Tobato, Kitakyushu, Japan

Bull. Math. Biol. (GB) — (BMTBAP)
Bulletin of Mathematical Biology Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 OBW, England

Bull. Mech. Eng. Lab. (Japan) — (BMEGAX)
Bulletin of Mechanical Engineering Laboratory 12-1 Igusa 4-chome, Suginami-ku, Tokyo, Japan

Bull. Nagoya Inst. Technol. (Japan) — (NADGA8)
Bulletin of Nagoya Institute of Technology Nagoya, Japan

Bull. Oper. Res. Soc. Am. (USA) — (ORSBAS)
Bulletin of the Operations Research Society of America Title changed to: *TIMS/ORSA Bull. (USA)*

Bull. Res. Inst. Appl. Electr. (Japan) — (ODKIAD)
Bulletin of the Research Institute of Applied Electricity The Research Institute of Applied Electricity, Hokkaido University, North 12 Street, West 6 Avenue, Kitaku, Sapporo City, Japan

Bull. Res. Inst. Sci. Meas. Tohoku Univ. (Japan) — (TDKKA6)
Bulletin of the Research Institute for Scientific Measurements, Tohoku University Sendai, Japan

Bull. Res. Lab. Nucl. React. (Japan) — (BRLTD9)
Bulletin of the Research Laboratory for Nuclear Reactors Tokyo Institute of Technology Oh-okayana, Meguro-ku, Tokyo, Japan

Bull. Res. Lab. Precis. Mach. & Electron. (Japan) — (BLPTDL)
Bulletin of Research Laboratory of Precision Machinery and Electronics Formerly: *Bull. Tokyo Inst. Technol. (Japan)* Tokyo Institute of Technology, Nagatsuta, Midori-ku, Yokohama, Japan

Bull. Sci. Assoc. Ing. Electr. Inst. Electrotech. Montefiore (Belgium) — (BURMA2)
Bulletin Scientifique de l'Association des Ingenieurs Electriciens sortis de l'Institut Electrotechnique Montefiore 31 Rue Saint Gilles, 4000 Liege, Belgium

Bull. Seismol. Soc. Am. (USA) — (BSSAAP)
Bulletin of the Seismological Society of America Seismological Society of America, 424 40th Street, Oakland, CA 94609, USA

Bull. Soc. Fr. Ceram. (France) — (BFCEA2)
Bulletin de la Societe Francaise de Ceramique Centre National d'Etudes et Recherches Ceramiques, 23 rue de Cronstadt, Paris 15, France

Bull. Soc. Fr. Mineral. & Crystallogr. (France) — (BUFCAE)
Bulletin de la Societe Francaise de Mineralogie et de Cristallographie Masson et Cie S.A., 120 Boulevard Saint-Germain, F-75280 Paris Cedex 06, France

Bull. Soc. R. Belge Electr. (Belgium) — (BSREAW)
Bulletin de la Societe Royale Belge des Electriciens 1 Place du Trone, 1000 Bruxelles, Belgium

Bull. Soc. R. Sci. Liege (Belgium) — (BSRSA6)
Bulletin de la Societe Royale des Sciences de Liege L'Universite, 15 Avenue des Tilleurs, Liege, Belgium

Bull. Tech. Univ. Istanbul (Turkey) — (ITEKAZ)
Bulletin of the Technical University of Istanbul (Istanbul Teknik Universitesi Bulteni) Taskisla, Istanbul, Turkey

Bull. Tech. Vevey (Switzerland) — (BTVVA8)
Bulletin Technique Vevey Ateliers de Constructions Mecaniques de Vevey SA, Vevey, Switzerland

Bull. Tokyo Gakugei Univ. Ser. IV (Japan) — (TGDSBH)
Bulletin of Tokyo Gakugei University. Series IV (Mathematics and Natural Sciences) 4-1-1 Nukui-kita-machi, Koganei, Tokyo, Japan

Bull. Tokyo Inst. Technol. (Japan) — (BTITA5)
Bulletin of Tokyo Institute of Technology Title changed to: *Bull. Res. Lab. Precis. Mach. & Electron. (Japan)*

Bull. Univ. Osaka Prefect. Ser. A (Japan) — (BSKAAJ)
Bulletin of University of Osaka Prefecture Series A University of Osaka Prefecture, Mozu, Sakai, Osaka, Japan

Bull. Yamagata Univ. (Eng.) (Japan) — (YDKKAR)
Bulletin of the Yamagata University (Engineering) Yamagata, Japan

Bull. Yamagata Univ. (Nat. Sci.) (Japan) — (BUYUAR)
Bulletin of the Yamagata University (Natural Science) Yamagata, Japan

Burroughs Clearing House (USA) — (BCLHAZ)
Burroughs Clearing House Burroughs Corp., Box 418, Detroit, MI 48232, USA

Bus. Adm. (GB) — (BUSAB6)
Business Administration Morgan-Grampian (Professional Press) Ltd., Calderwood Street, Woolwich, London, SE18 6QH, England

Bus. Syst. & Equip. (GB) — (BSEQA3)
Business Systems and Equipment Maclean-Hunter Ltd., 76 Oxford Street, London, W1, England

Byull. Inst. Teor. Astron. Akad. Nauk SSSR — (BTASAU)
Byulleten' Instituta Teoreticheskoi Astronomii Akademiya Nauk SSSR Leningradskoe Otdelenie Izdatelstva Nauka, Leningrad V-164, Mendeleevskaya Lin. D. 1, USSR

C.R. Acad. Bulg. Sci. (Bulgaria) — (CRABAA)
Comptes Rendus de l'Academie Bulgare des Sciences Sofiya, Bulgaria

C.R. Hebd. Seances Acad. Sci. Ser. A (France) — (CHASAP)
Comptes Rendus Hebdomadaires des Seances de l'Academie des Sciences, Paris, Serie A (Sciences Mathematiques) Centrale des Revues, Dunod/Gauthier-Villars, 26 Boulevard de l'Hopital, 75005 Paris, France

C.R. Hebd. Seances Acad. Sci. Ser. B (France) — (CHDBAN)
Comptes Rendus Hebdomadaires des Seances de l'Academie des Sciences, Paris, Serie B (Sciences Physiques) Centrale des Revues, Dunod/Gauthier-Villars, 26 Boulevard de l'Hopital, 75005 Paris, France

C.R. Hebd. Seances Acad. Sci. Ser. C (France) — (CHDCAQ)
Comptes Rendus Hebdomadaires de Seances de l'Academie des Sciences Paris, Serie C (Sciences Chimiques) Centrale des Revues, Dunod/Gauthier-Villars, 26 Boulevard de l'Hopital, 75005 Paris, France

CA Mag. (Canada) — (CAMADJ)
CA Magazine Canadian Institute of Chartered Accountants, 250 Bloor Street East, Toronto, M4W 1G5, Canada

Cable Telev. Eng. (GB) — (CTEVB3)
Cable Television Engineering Society of Cable Television Engineers, 10 Avenue Road, Dorridge, Solihull, Warwickshire, England

Cables & Transm. (France) — (CTRAA4)
Cables et Transmission Sotelec, 16 Rue de la Baume, 75008 Paris, France

Cah. Groupe Fr. Rheol. (France) — (GFRCAO)
Cahiers de Groupe Francais de Rheologie 19 Rue du Grand-Moulin, 42000 Saint-Etienne, France

Cah. Groupe Trav. (AFCET) (France)
Cahiers du Groupe de Travail (AFCET). Analyse de Experimentation dans les Sciences de l'Homme par les Methodes Informatiques Laboratoire d'Informatique pour les Sciences de l'Homme C.N.R.S., 31 Chemin Joseph-Aiguier, 13274 Marseille - Cedex 2, France

Calcolo (Italy) — (CALOBK)
Calcolo Istituto di Elaborazione della Informazione del CNR, Via S. Maria 46, 56100 Pisa, Italy

California Manage. Rev. (USA) — (CMNRAK)
California Management Review Graduate School of Business Administration, University of California, Berkeley, CA 94720, USA

Calitatea Prod. & Metrol. (Rumania) — (CLPMA8)
Calitatea Productiel si Metrologie Title changed to: *Metrol. Apl. (Rumania)*

CAMAC Bull. (Belgium) — (CAMACI)
CAMAC Bulletin ESONE Committee, CBNM EURATOM, B-2440 Geel, Belgium

Can. Aeronaut. & Space J. (Canada) — (CSPJAE)
Canadian Aeronautics and Space Journal Canadian Aeronautics and Space Institute, Commonwealth Building, 77 Metcalfe Street, Ottawa, Ontario K1P 5L6, Canada

Can. Chem. Process. (Canada) — (CCPRAS)
Canadian Chemical Processing Southam Business Publications Ltd., 1450 Don Mills Road, Don Mills, Ontario M3B 2X7, Canada

Can. Controls & Instrum. (Canada) — (CCISAU)
Canadian Controls and Instrumentation Maclean-Hunter Ltd., 481 University Avenue, Toronto M5W 1A7, Canada

Can. Datasyst. (Canada) — (CNDSAE)
Canadian Datasystems Maclean-Hunter Ltd., 481 University Avenue, Toronto M5W 1A7, Canada

Can. Electron. Eng. (Canada) — (CAEEAM)
Canadian Electronics Engineering Maclean-Hunter Ltd., 481 University Avenue, Toronto M5W 1A7, Canada

Can. J. Chem. (Canada) — (CJCHAG)
Canadian Journal of Chemistry Division of Administration and Awards, National Research Council of Canada, Ottawa KIA OR6, Canada

Can. J. Chem. Eng. (Canada) — (CJCEA7)
Canadian Journal of Chemical Engineering Canadian Society for Chemical Engineering, 151 Slater Street, Ottawa, Ontario, K1P 5H3, Canada

Can. J. Earth Sci. (Canada) — (CJESAP)
Canadian Journal of Earth Sciences National Research Council of Canada, Ottawa KIA OR6, Canada

Can. J. Inf. Sci. (Canada) — (CJISDE)
Canadian Journal of Information Science Canadian Association of Information Science, Box 158, Terminal A, Ottawa, Ontario, K1N 8V2, Canada

Can. J. Phys. (Canada) — (CJPHAD)
Canadian Journal of Physics Division of Administration and Awards, National Research Council of Canada, Ottawa KIA OR6, Canada

Can. J. Spectrosc. (Canada) — (CJSPAI)
Canadian Journal of Spectroscopy Multiscience Publication Ltd., P.O. Box 1464, Station B, Montreal, Quebec H3B 3L2, Canada

Can. Metall. Q. (Canada) — (CAMQAU)
Canadian Metallurgical Quarterly Editorial address: University of Toronto, Department of Metallurgy and Materials Science, Toronto 5, Canada

Can. Min. J. (Canada) — (CAMJA9)
Canadian Mining Journal National Business Publications Ltd., 310 Victoria Avenue, Montreal, Canada

Carbon (GB) — (CRBNAH)
Carbon Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 OBW, England

Case Stud. At. Phys. (Netherlands) — (CSAPCR)
Case Studies in Atomic Physics North-Holland Publishing Co., P.O. Box 211, Amsterdam, Netherlands

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Cathode Press Machlett Labs. Inc., 42 Camp Avenue, Springdale, CT 06879, USA

CEGB Dig. (GB) — (CEGDAN)
CEGB Digest Central Electricity Generating Board, Information Services, Sudbury House, 15 Newgate Street, London, EC1 7AU, England

CEGB Res. (GB) — (CEREDG)
CEGB Research Central Electricity Generating Board, Courtenay House, 18 Warwick Lane, London, EC4P 4EB, England

CEGB Tech. Disclosure Bull. (GB) — (CETDAK)
CEGB Technical Disclosure Bulletin Central Electricity Generating Board, Information Services, Sudbury House, 15 Newgate Street, London, EC1 7AU, England

Celestial Mech. (Netherlands) — (CLMCAV)
Celestial Mechanics D. Reidel Publishing Co., P.O. Box 17, Dordrecht, Netherlands

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Cerberus Alarm Cerberus Ltd., CH-8708 Mannedorf, Switzerland

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The Chartered Mechanical Engineer Institution of Mechanical Engineers, P.O. Box 24, Northgate Avenue, Bury St. Edmunds, Suffolk IP32 6BW, England

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Chem. Eng. J. (Switzerland) — (CMEJAJ)
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Chem. Phys. Lett. (Netherlands) — (CHPLBC)
Chemical Physics Letters North-Holland Publishing Co., P.O. Box 211 Amsterdam, Netherlands

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Chemica Scripta Royal Swedish Academy of Sciences, S-104 05 Stockholm 50, Sweden. Subscription address: Almqvist & Wicksell Periodical Co., Box 62, S-101 20 Stockholm 1

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Combustion and Flame (Quarterly Journal of the Combustion Institute) American Elsevier Publishing Co., 52 Vanderbilt Avenue, New York, NY 10017, USA

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Control Engineering Dun-Donelley Publishing Corp., 666 Fifth Avenue, New York, NY 10019, USA

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Courrier de la Normalisation Association Francaise De Normalisation, Tour Europe Cedex 7, 92080 Paris La Defense, France

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CQ Radio Amateur's Journal 14 Vanderventer Avenue, Port Washington, Long Island, NY 11050, USA

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CSIO Communications Central Scientific Instruments Organisation, Sector 30, Chandigarh-160020, India

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Cybernetica International Association for Cybernetics, Place Andre Rijckmans, Namur, Belgium

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Earthquake Engineering & Structural Dynamics Formerly: *Int. J. Earthquake Eng. & Struct. Dyn. (GB)* John Wiley & Sons Ltd., Baffins Lane, Chichester, Sussex PO19 1UD, England

EBU Rev. Tech. (Belgium) — (EBUTA6)
EBU Review, Technical Technical Centre of the European Broadcasting Union, Avenue Albert Lancaster 32, B-1180 Bruxelles, Belgium

EC-Nyt (Denmark) — (ECNTDF)
EC-Nyt Issued with: *Elektronik (Denmark)*

Echo Rech. (France) — (ECRCAF)
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Econ. Comput. & Econ. Cybern. Stud. & Res. (Rumania) — (ECECAI)
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EDN (USA) — (EDNEA8)
EDN Cahners Publishing Co. Inc., 221 Columbus Avenue, Boston, MA 02116, USA

EDP Anal. (USA) — (EDPAA6)
EDP Analyzer Canning Publications Inc., 925 Anza Avenue, Vista, CA 92083, USA

Educ. Broadcast. Int. (GB) — (EBINAU)
Educational Broadcasting International Published for the British Council by: Peter Peregrinus Ltd., P.O. Box 8, Southgate House, Stevenage, Herts. SG1 1HQ, England

Educ. Stud. Math. (Netherlands) — (EDSMAN)
Educational Studies in Mathematics D. Reidel Publishing Co., P.O. Box 17, Dordrecht, Netherlands

Educ. Technol. (USA) — (EDTCAW)
Educational Technology Educational Technology Publications Inc., 140 Sylvan Avenue, Englewood Cliffs, NJ 07632, USA

Eesti NSV Tead. Akad. Fuus. Inst. Uurim. (USSR) — (ENTUDN)
Eesti NSV Teaduste Akadeemia Fuusika Instituudi Uurimused Akademii Nauk ESSR, Tallin, USSR

Eisenbahntechnik (Germany) — (DETEBZ)
Eisenbahntechnik VEB Verlag Technik, 102 Berlin, Oranienburger Strasse 13/14, Germany

Ekon.-Mat. Obz. (Czechoslovakia) — (EKMOBF)
Ekonomicko-Matematicky Obzor Academia, Publishing House of the Czechoslovak Academy of Sciences, Vodickova 40, 112 29 Praha 1, Czechoslovakia

Electr. Automob. (France) — (ELATAA)
L'Electricite Automobile 59 Rue du Faubourg-Poissonniere, 75009 Paris, France

Electr. Comf. Cond. News (USA) — (ECCNDA)
Electric Comfort Conditioning News Electrical Information Publications Inc., 2132 Fordem Avenue, Madison, WI 53701, USA

Electr. Commun. (GB) — (ELCMAX)
Electrical Communication International Telephone & Telegraph Corp., 190 Strand, London, WC2R 1DU, England

Electr. Commun. Lab. Tech. J. (Japan) — (TJECAS)
Electrical Communication Laboratories Technical Journal Nippon Telegraph and Telephone Public Corp., 1551 Kichijoji, Musashino-shi, Tokyo, Japan

Electr. Constr. & Maint. (USA) — (ECOMAU)
Electrical Construction and Maintenance McGraw-Hill Publishing Co., 1221 Avenue of the Americas, New York, NY 10020, USA

Electr. Eng. (Australia) — (ELEMA9)
Electrical Engineer Thompson Publishing (Australia) Pty. Ltd., 47 Chippen Street, Chippendale, N.S.W. 2008, Australia

Electr. Eng. Jpn. (USA) — (EENJAU)
Electrical Engineering in Japan [Translation of: *Trans. Inst. Electr. Eng. Jpn. (Japan)*] Scripta Publishing Corp., 1511 K Street, N.W., Washington, DC 20005, USA

Electr. Eng. Rev. (Pakistan) — (EERPAY)
Electrical Engineering Review West Pakistan University of Engineering and Technology, Lahore-31, Pakistan

Electr. Equip. (GB) — (ELEQBM)
Electrical Equipment Mercury House Publications Ltd., Mercury House, Waterloo Road, London, SE1 8UL, England

Electr. Ind. (France) — (ELINDZ)
L'Electricien Industriel 41 Rue de la Grange-aux-Belles, 75010 Paris, France

Electr. India — (EIDAAF)
Electrical India Indian Electrical Manufacturer's Association, 14 Sihd Prasad, Mohul Road, Tilak Nagar, P.O. Ghatkopar, Bombay 89, India

Electr. Rev. (GB) — (ELREAG)
Electrical Review IPC Electrical-Electronic Press Ltd., Dorset House, Stamford Street, London, SE1 9LU, England

Electr. Superv. (GB) — (ELSUAZ)
Electrical Supervisor Title changed to: *Executive Eng. (GB)*

Electr. Technol. USSR (GB) — (ELTGAW)
Electric Technology USSR [Translation of: *Elektrichestvo (USSR)*] Pergamon Press Ltd., Headington Hall Hill, Oxford, OX3 OBW, England

Electr. Times (GB) — (ELTIA4)
Electrical Times Dorset House, Stamford Street, London, SE1 9LU, England

Electr. World (USA) — (ELWOA3)
Electrical World McGraw-Hill Publishing Co., 1221 Avenue of the Americas, New York, NY 10020, USA

Electra (France) — (ECTRB3)
Electra 112 Boulevard Hausmann, 75008 Paris, France

Electricidade (Portugal) — (ELDDAB)
Electricidade Empresa Editorial Electrotecnica Edel, Rua de Dona Estefania, 48, 3., Esq., Lisboa 1, Portugal

Electricite (Belgium) — (ELTCAK)
Electricite. Revue de l'Union des Exploitations Electriques en Belgique 4 Galerie Ravenstein, Bruxelles 1000, Belgium

Electro-Opt. Syst. Des. (USA) — (EOSDB6)
Electro-Optical Systems Design Milton S. Kiver Publications Inc., 222 West Adams, Chicago, IL 60606, USA

Electro-Rev. (Switzerland) — (ERVUAO)
Electro-Revue 8027 Zurich, Splugenstrasse 6, Switzerland

Electro-Technol. (India) — (ELTEAQ)
Electro-Technology Society of Electronic Engineers, Electronics & Radar Development Establishment, Bangalore 1, India

Electroacoustique (Belgium) — (ELACBS)
Electroacoustique Universite de Liege, Laboratoire d'Electroacoustique, Liege, Belgium

Electrochem. Ind. Process. & Biol. (GB) — (EIPBBB)
Electrochemistry in Industrial Processing and Biology [Translation of: *Elektron. Obrab. Mater. (USSR)*] Scientific Information Consultants Ltd., 661 Finchley Road, London, NW2 2HN, England

Electrochim. Acta (GB) — (ELCAAV)
Electrochimica Acta Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 OBW, England

Electrocompon. Sci. & Technol. (GB) — (ECSTC5)
Electrocomponent Science and Technology Gordon and Breach Science Publishers Ltd., 41 and 42 William IV Street, London, WC2, England

Electrodeposition & Surf. Treat. (Switzerland) — (ELDPAD)
Electrodeposition and Surface Treatment Title changed to: *Surf. Technol. (Switzerland)*

Electroencephalogr. & Clin. Neurophysiol. (Netherlands) — (ECNEAZ)
Electroencephalography and Clinical Neurophysiology Elsevier Scientific Publishing Co., P.O. Box 211, Amsterdam, Netherlands

Electromech. Des. (USA) — (EMDSAT)
Electromechanical Design Benwill Publishing Corp., 167 Corey Road, Brookline, MA 02146, USA

Electromedica (Germany) — (ELMCBK)
Electromedica Siemens Aktiengesellschaft, Medical Engineering Group, 8520 Erlangen, Henkestrasse 127, Germany

Electromyography & Clin. Neurophysiol. (Belgium) — (EMCNA9)
Electromyography and Clinical Neurophysiology Nauwelaerts Publishing House, Muntstraat 10, Louvain, Belgium

Electron (GB) — (ELTNCL)
Electron IPC Electrical-Electronic Press Ltd., Dorset House, Stamford Street, London, SE1 9LU, England

Electron Technol. (Poland) — (ETNTAT)
Electron Technology Instytut Technologii Elektronowej, al. Lotnikow 31/46, 02-668 Warszawa, Poland

Electron. & Appl. Ind. (France)
Electronique & Applications Industrielles Formerly: *Electron. & Microelectron. Ind. (France)* Societe des Editions Radio, 9 Rue Jacob, 75006 Paris, France

Electron. & Commun. (Canada) — (ECEPAN)
Electronics and Communications Southam Business Publications Ltd., 1450 Don Mills Road, Don Mills, Ontario, Canada

Electron. & Commun. Jpn. (USA) — (ECOJAL)
Electronics and Communications in Japan Scripta Publishing Corp., 1511 K Street N.W., Washington, DC 20005, USA. English translation of selected articles from Trans. Inst. Electron. & Commun. Eng. A, B, C, D, (Japan)

Electron. & Fis. Apl. (Spain) — (EFAPAO)
Electronica y Fisica Aplicada Centro de Investigaciones Fisicas, Serrano, 144, Madrid 6, Spain

Electron. & Microelectron. Ind. (France) — (EMCIAS)
Electronique & Microelectronique Industrielles Title changed to: *Electron. & Appl. Ind. (France)*

Electron. & Power (GB) — (ELPWAQ)
Electronics and Power. Journal of the Institution of Electrical Engineers Savoy Place, London, WC2R OBL, England

Electron. Appl. Bull. (Netherlands) — (EABUBA)
Electronic Applications Bulletin N.V. Philips' Gloeilampenfabrieken, Electronic Components and Materials Division, Eindhoven, Netherlands. N.V. Uitgeversmaatschappij Centrex, Eindhoven

Electron. Aust. (Australia) — (EAUSAU)
Electronics Australia 12th Floor, 235-243 Jones Street, Broadway, Sydney 2007, N.S.W, Australia

Electron. Des. (USA) — (ELODAW)
Electronic Design Hayden Publishing Co. Inc., 50 Essex Street, Rochelle Park, NJ 07662, USA

Jpn. J. Med. Electron. & Biol. Eng. (Japan) — (IYSEAK)
Japanese Journal of Medical Electronics and Biological Engineering Japan Society of Medical Electronics and Biological Engineering, Kikaishinko Building, 3-5-8 Shiba-Park, Minato-ku, Tokyo 105, Japan

Jpn. Shipbuild. & Mar. Eng. (Japan) — (JSMEBS)
Japan Shipbuilding & Marine Engineering Japan Association for Technical Information, 4-7-107 Yamazaki-cho, Machida-City, Tokyo 194-01, Japan

Jpn. Telecommun. Rev. (Japan) — (JTCRAN)
Japan Telecommunications Review Nippon Telegraph & Telephone Public Corp., 1-6 Uchisaiwai-cho, 1-chome, Chiyoda-ku, Tokyo 100, Japan

Jurimetrics J. (USA) — (JURJAD)
Jurimetrics Journal Section of Sciences & Technology, American Bar Association, 1155 East 60th Street, Chicago, IL 60637, USA

K. Dan. Vidensk. Selsk. Mat.-Fys. Medd. (Denmark) — (KDVSAK)
Kongelige Danske Videnskabernes Selskab, Matematisk-fysiske Meddelelser Title changed to: *Mat.-Fys. Medd. Dan. Vidensk. Selsk. (Denmark)*

K. Nor. Vidensk. Selsk. Foerhandl. (Norway) — (KNSFA2)
Kongelige Norske Videnskabers Selskabs Forhandlinger Publisher: F.Bruns Bokhandel, Trondheim, Norway

K. Nor. Vidensk. Selsk. Skr. (Norway) — (KNSSA7)
Kongelige Norske Videnskabers Selskabs Skrifter Publisher: F.Bruns Bokhandel, Trondheim, Norway

Kabel-Cables(Switzerland) — (KACAAK)
Kabel-Cables Kabelwerke Brugg AG, 5200 Brugg, Switzerland

KDD Tech. J. (Japan) — (KTNKAY)
KDD Technical Journal International Communications Research Institute, Tokyo, Japan

Kent Tech. Rev. (GB) — (KTTRAH)
Kent Technical Review George Kent Ltd., Luton, Beds LU3 1AL, England

Kerntechnik (Germany) — (KERTAA)
Kerntechnik Verlag Karl Thiemig KG, Pilgersheimerstrasse 38, D8000 Munchen 90, Germany

Kexue Tongbao (China) — (KHTPAT)
Kexue Tongbao Academia Sinica, Peking, People's Republic of China [English translation in: *Kexue Tongbao (Scientia) (USA)*]

Kexue Tongbao (Scientia) (USA)
Kexue Tongbao (Scientia) [Translation of: *Kexue Tongbao (China)*] Plenum/China Program, 227 West 17th Street, New York, NY 10011, USA

Kibern. & Vychisl. Tekh. (USSR) — (KVYTAS)
Kibernetika i Vychislitel'naya Tekhnika Izdatel'stvo 'Naukova Dumka', Kiev, Repina 3, USSR

Kibernetika (USSR) — (KBRNA5)
Kibernetika Agent: Mezhdumarodnaya Kniga, Moskva, USSR [English translation in: *Cybernetics (USA)*]

Kniznice & Ved. Inf. (Czechoslovakia) — (KVIFA8)
Kniznice a Vedecke Informacie Matica Slovenska, Martin, Mudronova 35, Czechoslovakia

Kobunshi Ronbunshu (Japan) — (KBRBA3)
Kobunshi Ronbunshu Society of Polymer Science, Honshu Building, 5-12-8 Ginza, Cho-ku, Tokyo 104, Japan

Kodaikanal Obs. Bull. Ser. A (India) — (KOBAAB)
Kodaikanal Observatory Bulletin, Series A Indian Institute of Astrophysics, Kodaikanal 3, Madurai District, Tamil Nadu, India

Kodaikanal Obs. Bull. Ser. B (India) — (KOBBAE)
Kodaikanal Observatory Bulletin, Series B Indian Institute of Astrophysics, Kodiakanal 3, Madurai District, Tamil Nadu, India

Koezl. Magy. Tud. Akad. Musz. Fiz. Kut. Intez. (Hungary) — (MTIKAV)
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Kogaku to Gijutsu (Japan) — (KTGIAR)
Kogaku to Gijutsu Kansai University, Faculty of Engineering, Senriyama, Suita-shi, 564 Osaka, Japan

Kolloidn. Zh. (USSR) — (KOZHAG)
Kolloidnyi Zhurnal Editorial address: Institute of Physical Chemistry, Academy of Sciences of the USSR, Moscow, USSR [English translation in: *Colloid J. USSR (USA)*]

Kosm. Issled. (USSR) — (KOISAW)
Kosmicheskie Issledovaniya Akademiya Nauk SSSR, Leninskii Prosp. 14, Moskva, USSR [English translation in: *Cosmic Res. (USA)*]

Kovove Mater. (Czechoslovakia) — (KOMAAW)
Kovove Materialy Vydavatel'stvo Slovenskej Akademie Vied, Bratislava, Klemensova 19, Czechoslovakia

Krist. & Tech. (Germany) — (KRTEAW)
Kristall und Technik Akademie-Verlag GmbH, Leipziger Strasse 3-4 DDR- 108 Berlin, Germany. Academic Press Inc. (London) Ltd., 24-28 Oval Road, London NW1, England

Kristallografiya (USSR) — (KRISAJ)
Kristallografiya Akademiya Nauk SSSR, Leninskii Prosp.14, Moskva, USSR [English translation in: *Sov. Phys.-Crystallogr. (USA)*]

Kumamoto J. Sci. (Math.) (Japan) — (KJSAAR)
Kumamoto Journal of Science (Mathematics) Faculty of Science, Kumamoto University, Kumamoto, Japan

Kunstst.-Berat. (Germany) — (KUBEAV)
Kunststoff-Berater Umschau Verlag, Frankfurt am Main, Stuttgarter Strasse 18-24, Germany

Kvantovaya Elektron., Kiev (USSR) — (KVELA6)
Kvantovaya Elektronika Izdatel'stvo 'Naukova Dumka', Kiev, Repina 3, USSR

Kvantovaya Elektron., Moskva (USSR) — (KVEKA3)
Kvantovaya Elektronika Sovetskoe Radio, Moskva, Glavpochtamt, p/ya 693, USSR [English translation in: *Sov. J. Quantum Electron. (USA)*]

Kybernetes (GB) — (KBNTA3)
Kybernetes Thales Publications (W.O.) Ltd., 8 Old Bond Street, London, W1X 3TA, England

Kybernetika (Czechoslovakia) — (KYBNAI)
Kybernetika PNS-vyvos Tisku, Nove Mesto, Jindrisska 14, 12505 Praha 1, Czechoslovakia

Lab. Equip. Dig. (GB) — (LEQDA2)
Laboratory Equipment Digest Morgan-Grampian Ltd., 30 Calderwood Street, Woolwich, London, SE18 6QH, England

Lab. Pract. (GB) — (LABPA3)
Laboratory Practice United Trade Press, 15 Albert Mews, London, W8 5RY, England

Landis & Gyr Rev. (Switzerland) — (LGRVA7)
Landis & Gyr Review 6301 Zug, Switzerland

Larc Rep. (USA) — (LARCAA)
Larc Reports LARC Association, P.O. Box 27235, Tempe, AZ 85282, USA

Laser & Elektro-Opt. (Germany) — (LELOAA)
Laser und Elektro-Optik AT-Fachverlag GmbH, 7000 Stuttgart 50, Postfach 50 01 80, Konig-Karl-Strasse 19, Germany

Laser & Unconv. Opt. J. (Sweden) — (LONCAK)
Laser and Unconventional Optics Journal European Abstracts Service, Box 12035, S-402 41 Goteborg 12, Sweden

Laser Focus (USA) — (LAFOAK)
Laser Focus Advanced Technology Publications, 385 Elliot Street Newton, MA 02164, USA

Latv. PSR Zinat. Akad. Vestis (USSR) — (LZAVAL)
Latvijas PSR Zinatnu Akademijas Vestis Fundamental Library, Academy of Sciences, 4 Komunala Street, Riga, USSR

Latv. PSR Zinat. Akad. Vestis Fiz. Teh. Zinat. Ser. (USSR) — (LZFTA6)
Latvijas PSR Zinatnu Akademijas Vestis, Fizikas un Tehnisko Zinatnu Serija Fundamental Library, Academy of Sciences, 4 Komunala Street, Riga, USSR

Law & Comput. Technol. (USA) — (LACTAK)
Law and Computer Technology World Peace Through Law Center, Section on Law and Computer Technology, 839 - 17th Street, N.W., Washington, DC 20006, USA

Lett. Appl. & Eng. Sci. (GB) — (LAESBS)
Letters in Applied & Engineering Sciences Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England

Lett. Heat & Mass Transfer (GB) — (LHMTBI)
Letters in Heat and Mass Transfer Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 0BW, England

Lett. Math. Phys. (Netherlands) — (LMPHDY)
Letters in Mathematical Physics D. Reidel Publishing Co., P.O. Box 17, Dordrecht, Netherlands

Lett. Nuovo Cimento (Italy) — (LNUCAE)
Lettere el Nuovo Cimento Societa Italiana di Fisica, via degli Andalo 2, 40124 Bologna, Italy

LEW-Nachr. (Germany) — (LEWNAS)
LEW-Nachrichten Kombinat VEB Lokomotivbau-Elektrotechnische Werke 'Hans Beimler', 1422 Henningdorf, Germany

Libr. & Inf. Sci. (Japan) — (LIFSBL)
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Libr. Assoc. Rec. (GB) — (LASRAQ)
Library Association Record 7 Ridgmount Street, London, WC1E 7AE, England

Libr. Q. (USA) — (LIBQAS)
Library Quarterly University of Chicago Press, 11030 S. Langley Avenue, Chicago, IL 60628, USA

Libr. Resour. & Tech. Serv. (USA) — (LRTSAH)
Library Resources & Technical Services American Library Association, Resources and Technical Service Division, 1201-05 Bluff Street, Fulton, MO 65251, USA

Lichtbogen (Germany) — (LIBOAM)
Der Lichtbogen Chemische Werke Huls AG, 4370 Marl, Kreis Recklinghausen, Germany

Lichttechnik (Germany) — (LITKAW)
Lichttechnik Huthig und Pflaum Verlag, 8000 Munchen, Postfach 20 19 20, Germany

Liet. TSR Mokslu Akad. Darbai B Ser.(USSR) — (LMDBAL)
Lietuvos TSR Mokslu Akademijos Darbai, B Serija Vilnius, Lenino pr. 3, USSR

Light & Light. (GB) — (LILIAK)
Light and Lighting Illuminating Engineering Society, York House, 199 Westminster Bridge Road, London, SE1 7UN, England

Light. Equip. News (GB) — (LIENAY)
Lighting Equipment News Equipment News Ltd., 30 Old Burlington Street, London, W1X 2AE, England

Light. Res. & Technol. (GB) — (LRTEA9)
Lighting Research and Technology Illuminating Engineering Society, York House, 199 Westminster Bridge Road, London, SE1 7UN, England

Linde Rep. Sci. & Technol. (Germany) — (LRSTAF)
Linde Reports on Science and Technology Linde Aktiengesellschaft, D-62 Wiesbaden, Abraham-Lincoln-Strasse 21, Germany

Linear Algebra & Appl. (USA) — (LAAPAW)
Linear Algebra and its Applications American Elsevier Publishing Co., 52 Vanderbilt Avenue, New York, NY 10017, USA

Litov. Fiz. Sb. (USSR) — (LFRMA7)
Litovskii Fizicheskii Sbornik Lietvos TSR Mokslu Akademijos, Centrine Biblioteka, Pozelos g-ve 2/8, Vilnius, USSR [English translation in: *Sov. Phys. - Collect. (USA)*]

Ljuskultur (Sweden) — (LJUSAY)
Ljuskultur Publication address: Skeppargatan 27, Box 5512, 11485 Stockholm, Sweden

Logist. & Transp. Rev. (Canada) — (LGTRA5)
Logistics and Transportation Review Faculty of Commerce, University of British Columbia Vancouver V6T 1W5, Canada

Low Temp. Sci. Ser. A (Japan) — (TEKAAH)
Low Temperature Science Series A, Physical Sciences Institute of Low Temperature Science, Hokkaido University, Sapporo, Japan

LSE Eng. Bull. (GB) — (LSEBAY)
LSE Engineering Bulletin Laurence, Scott and Electromotors, Frankland Moor House, 185-7 High Road, Norwich, NOR 85A, England

Lucas Eng. Rev. (GB) — (LEGRAS)
Lucas Engineering Review Joseph Lucas Ltd., Great King Street, Birmingham B19 2XF, England

Lucr. ICPE (Rumania) — (LICPAU)
Lucrarile ICPE Institut de Cercetare si Projectare Pentru Industria Electrotehnica, Bd. T. Vladirnirescu No. 45-47, Raionul V.I. Lenin, Bucuresti, Rumania

Luft- & Kaeltetech. (Germany) — (LUKAA7)
Luft- und Kaltetechnik VEB Verlag Technik, 102 Berlin, Oranienburger Strasse 13/14, Germany

M.A.N. Res. Eng. Manuf. (Germany) — (MANEB8)
M.A.N. Research Engineering Manufacturing Maschinenfabrik Augsburg-Nurnberg Aktiengesellschaft, D 89 Augsburg, Germany

Mach. & Prod. Eng. (GB) — (MPREAU)
Machinery and Production Engineering 222 London Road, Burgess Hill, Sussex RH15 9EH, England

Mach. & Tool. (GB) — (MCTOAD)
Machines and Tooling [Translation of: *Stanki & Instrum. (USSR)*] Production Engineering Research Association, Melton Mowbray, Leics. LE13 OPB, England

Mach. Lloyd Int. (GB) — (MLINCK)
Machinery Lloyd International Morgan Publications Ltd., 30A York Street, Twickenham, TW1 3LJ, England

Mag. Concr. Res. (GB) — (MCORAV)
Magazine of Concrete Research Cement and Concrete Association, 52 Grosvenor Gardens, London, SW1, England

Magn. Gidrodin. (USSR) — (MAGIAI)
Magnitnaya Gidrodinamika Akademiya Nauk Latviiskoi SSR, 'Zinatne', ul Smilshu 1, Riga 47, USSR [English translation in: *Magnetohydrodynamics (USA)*]

Magn. Lett. (GB) — (MALEDY)
Magnetism Letters Gordon and Breach Science Publishers Ltd., 41 and 42 William IV Street, London, WC2, England

Magn. Resonance Rev. (GB) — (MRSRBL)
Magnetic Resonance Review Gordon & Breach Science Publishers Ltd., 41 and 42 William IV Street, London, WC2, England

Magnetohydrodynamics (USA) — (MGHDAG)
Magnetohydrodynamics [Translation of: *Magn. Gidrodin. (USSR)*] Consultants Bureau, 227 West 17th Street, New York, NY 10011, USA

Magy. Fiz. Foly. (Hungary) — (MGFFAC)
Magyar Fizikai Folyoirat Alkotmany Utca 21 sz., 1363 Budapest 5, Hungary

Manage. Datamatics (Netherlands) — (MADADG)
Management Datamatics Noordhoff International Publishing, P.O. Box 26, Leyden, Netherlands

Manage. Decis. (GB) — (MANDA4)
Management Decision MCB (Management Decision) Ltd., 200 Keighley Road, Bradford, West Yorks. BD9 4JZ, England

Manage. Decis. Monogr. (GB)
Management Decision Monograph MCB (Management Decision) Ltd., 200 Keighley Road, Bradford, West Yorks. BD9 4JZ, England

Manage. Sci. (USA) — (MSCIAM)
Management Science Institute of Management Sciences, 146 Westminster Street, Providence, RI 02903, USA

Manage. Serv. (GB) — (MASEDZ)
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Management Services in Government Civil Service Department, Management Services, Whitehall, London, SW1A 2AZ, England

Manage. Wissen (Germany)
Management Wissen

Management (Denmark) — (MMNEAN)
Management Teknisk Forlag A/S Skelbaekgade 4, 1717 Kobenhavn V, Denmark

Mar. Behav. & Physiol. (GB) — (MBPHAX)
Marine Behaviour and Physiology Gordon & Breach Science Publishers Ltd., 41 and 42 William IV Street, London, WC2, England

Mar. Geophys. Res. (Netherlands) — (MGYRA7)
Marine Geophysical Researches D. Reidel Publishing Co., P.O. Box 17, Dordrecht, Netherlands

Mar. Technol. (Germany) — (MARTA4)
Marine Technology (Meerestechnik) VDI-Verlag, 4 Dusseldorf 1, Graf-Recke-Strasse 84, Postfach 1139, Germany

Mar. Technol. Soc. J. (USA) — (MTSJBB)
Marine Technology Society Journal 1730 M Street N.W., Washington, DC 20036, USA

Marconi Instrum. (GB) — (MRCIAF)
Marconi Instrumentation Marconi Instruments Ltd., St. Albans, Herts, England

Marconi Rev. (GB) — (MARVAA)
Marconi Review Marconi Co., Marconi Research Laboratories, West Hanningfield Road, Great Baddow, Essex CM2 8HN, England

Marelli (Italy) — (MARLAE)
Marelli Ercole Marelli, Via Borgonuovo 24, Milano, Italy

Maschinenmarkt (Germany) — (MAMKAK)
Maschinenmarkt Vogel-Verlag KG, 87 Wurzburg, Postfach 800, Germany

Maschinenschaden (Germany) — (MSCNA3)
Der Maschinenschaden Postfach 24, Konigstrasse 28, 8 Munchen 44, Germany

Mass Spectrosc. (Japan) — (SHIBAK)
Mass Spectroscopy Mass Spectroscopy Society of Japan, c/o Department of Chemistry, Faculty of Liberal Arts and Sciences, University of Osaka Prefecture, Sakai-shi, Osaka, Japan

Mat. Cas. (Czechoslovakia) — (MACAB9)
Mat. Cas. (Czechoslovakia) Title changed to: *Math. Slovaca (Czechoslovakia)*

Mat. Fiz. (USSR) — (MAFIAD)
Matematischeskaya Fizika Izdatel'stvo 'Naukova Dumka', Kiev, Repina 3, USSR

Mat.-Fys. Medd. Dan. Vidensk. Selsk. (Denmark) — (KDVSAK)
Matematisk-Fysiske Meddelelser Konglige Danske Videnskabernes Selskab Formerly: *K. Dan. Vidensk. Selsk. Mat.-Fys. Medd. (Denmark)* Dantes Plads 5, DK-1556 Copenhagen V. Publisher: Munksgaard Ltd., 6 Norregade, DK-1165 Copenhagen K, Denmark

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Materials Evaluation Society for Nondestructive Testing, 3200 Riverside Drive, Columbus, OH 43221, USA

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Material Handling Engineering Industrial Publishing Co., 614 Superior Avenue West, Cleveland, OH 44113, USA

Mater. Res. AECL (Canada) — (MRAEBS)
Materials Research in AECL Atomic Energy of Canada Ltd., Chalk River, Ontario, Canada

Mater. Res. Bull. (USA) — (MRBUAC)
Materials Research Bulletin Pergamon Press Inc., Maxwell House, Fairview Park, Elmsford, NY 10523, USA

Mater. Sci. & Eng. (Switzerland) — (MSCEAA)
Material Science and Engineering Elsevier Sequoia S.A., P.O. Box 851, 1001-Lausanne 1, Switzerland

Mater. Semin. Kibern. (USSR) — (MSKBA7)
Materialy Seminara po Kibernetike Izdatel'stvo 'Shtiintsa', Kishinev, USSR

Mater. Test. (Germany) — (MTPRAJ)
Materials Testing VDI-Verlag GmbH, Graf-Recke-Strasse 84, Postfach 1139, 4 Dusseldorf 1, Germany

Math. Balk. (Yugoslavia) — (MTMBBP)
Mathematica Balkanica Beograd, pp 550, Studentski trg 16, Yugoslavia

Math. Biosci. (USA) — (MABIAR)
Mathematical Biosciences American Elsevier Publishing Co., 52 Vanderbilt Avenue, New York, NY 10017, USA

Math. Comput. (USA) — (MCMPAF)
Mathematics of Computation Published for the National Academy of Sciences–National Research Council by the American Mathematical Society, P.O. Box 6248, Providence, RI 02904, USA

Math. Oper. Res. (USA)
Mathematics of Operations Research Operations Research Society of America, Business Office, 428 East Preston Street, Baltimore, MD 21202, USA. The Institute of Management Sciences, 146 Westminster Street, Providence, RI 02903

Math. Operationsforsch. & Stat. (Germany) — (MTOSBI)
Mathematische Operationsforschung und Statistik Akademie-Verlag, 108 Berlin, Leipziger Strasse 3-4, Germany

Math. Proc. Cambridge Philos. Soc. (GB) — (MPCPCO)
Mathematical Proceedings of the Cambridge Philosophical Society Cambridge University Press, Bentley House, 200 Euston Road, London, NW1 2DB, England

Math. Program. (Netherlands) — (MHPGA4)
Mathematical Programming North-Holland Publishing Co., P.O. Box 211, Amsterdam, Netherlands

Math. Program. Stud. (Netherlands) — (MPSTDF)
Mathematical Programming Studies North-Holland Publishing Co., P.O. Box 211, Amsterdam, Netherlands

Math. Slovaca (Czechoslovakia) — (MASLDM)
Mathematica Slovaca Formerly: *Mat. Cas. (Czechoslovakia)* Publishing House VEDA of the Slovak Academy of Sciences, 895 30 Bratislava, Klemensova 19, Czechoslovakia

Math. Spectrum (GB) — (MSPEB8)
Mathematical Spectrum Applied Probability Trust. Editorial address: Hicks Building, The University, Sheffield, S3 7RH, England

Math. Syst. Theory (USA) — (MASTBA)
Mathematical Systems Theory Springer Verlag New York, 175 Fifth Avenue, New York, NY 10010, USA

Matrix & Tensor Q. (GB) — (MATQA5)
Matrix and Tensor Quarterly Tensor Society of Great Britain, The Lyon Playfair Library, Imperial College, London, SW7 2AZ, England

Meas. & Control (GB) — (MEACBX)
Measurement and Control Institute of Measurement & Control, 20 Peel Street, London, W8 7PD, England

Meas. Tech. (USA) — (MSTCAL)
Measurement Techniques [Translation of: *Izmer. Tekh. (USSR)*] Consultants Bureau, 227 West 17th Street, New York, NY 10011, USA

Meccanica (Italy) — (MECCB9)
Meccanica Tamburini Editore, s.p.a., Via G. Pascoli, 55-Milano, Italy

Mech. & Mach. Theory (GB) — (MHMTAS)
Mechanism and Machine Theory Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 OBW, England

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Mechanizace Automatizace Administrativy SNTL, 113 02 Praha 1, Spalena 51, Czechoslovakia

Mech. Eng. (USA) — (MEENAH)
Mechanical Engineering American Society of Mechanical Engineers, 345 East 47th Street, New York, NY 10017, USA

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Mechanics Research Communications Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 OBW, England

Mech. Teor. & Stosow. (Poland) — (MTYSAX)
Mechanika Teoretyczna i Stosowana Polska Akademia Nauk, 00-049 Warszawa, Ut. Swietokrzyska 21, Poland

Med. & Biol. Eng. & Comput. (GB)
Medical & Biological Engineering & Computing Formerly: *Med. & Biol. Eng. (GB)* Peter Peregrinus Ltd., P.O. Box 8, Southgate House, Stevenage, Herts. SG1 1HQ, England

Med. & Biol. Eng. (GB) — (MBENAU)
Medical and Biological Engineering Title changed to: *Med. & Biol. Eng. & Comput. (GB)*

Med. Inf. (GB)
Medical Informatics - Medecine et Informatique Taylor & Francis Ltd., 10-14 Macklin Street, London WC2B 5NF, England

Med. Instrum. (USA) — (MLISBY)
Medical Instrumentation Association for the Advancement of Medical Instrumentation, 1901 North Fort Myer Drive, Suite 602, Arlington, VA22209, USA

Med. Phys. (USA) — (MPHYA6)
Medical Physics Published for the American Association of Physicists in Medicine by the American Institute of Physics, 335 East 45th Street, New York, NY 10017, USA

Med. Prog. Technol. (Germany) — (MDPTBG)
Medical Progress Technology Springer-Verlag, D-1000 Berlin 33, Heidelberger Platz 3, Germany

Med. Res. Eng. (USA) — (MDREBF)
Medical Research Engineering Medical-Research-Technology, Woods Road, Great Notch, Little Falls, NJ 07424, USA

Med. Tekh. (USSR) — (MEDTBV)
Meditsinskaya Tekhnika Editorial address: All-Union Scientific-Research Institute of Medical Instruments, Moscow, USSR [English translation in: *Biomed. Eng. (USA)*]

Meded. K. Acad. Wet. Lett. & Schone Kunsten Belg. (Belgium) — (MKAWAW)
Mededelingen van de Koninklijke Academie voor Wetenschappen, Letteren en Schone Kunsten van Belgie Paleis der Academien, Hertogsstraat 1, Bruxelles, Belgium

Medicamundi (Netherlands) — (MEMUAA)
Medicamundi Philips Gloeilampenfabrieken, Eindhoven, Netherlands

Meiden Rev. (Int. Ed.) (Japan) — (MREVDX)
Meiden Review (International Edition) Meidensha Electric Manufacturing Co. Ltd., New Ohtemachi Building, 2-1, 2-chome, Ohte-machi, Chiyoda-ku, Toyko, Japan

Mekh. & Avtom. Proizvod. (USSR) — (MAVPAC)
Mekhanizatsiya i Avtomatizatsiya Proizvodstva Kiselnyi Per., 5, Moskva, B, USSR

Mekh. & Avtom. Upr. (USSR) — (MAUPA7)
Mekhanizahriya i Avtomahzatsiya Upravleniya Kreshdratlsk 28,, USSR

Mekh. Polim. (USSR) — (MKPLA6)
Mekhanika Polimerov Latvian Academy of Sciences, Riga, USSR [English translation in: *Polym. Mech. (USA)*]

Mekh. Tverd. Tela (USSR) — (MTVTBM)
Mekhanika Tverdogo Tela Izdatel'stvo 'Naukova Dumka', Kiev, Repina 3, USSR

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Memoirs of the Research Institute of Science & Engineering Ritsumeikan University Kyoto, Japan

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Memorie della Societa Astronomica Italiana Via Brere 28, Milano, Italy

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Memoires de la Societe Royal des Sciences de Liege. Collection in-4 L'Universite, 7 Place du 20 Aout, Liege, Belgium

Mem. Soc. R. Sci. Liege 8º (Belgium) — (MRSLA2)
Memoires de la Societe Royal des Sciences de Liege. Collection in-8 L'Universite, 7 Place du 20 Aout, Liege, Belgium

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Mereni a Regulace Research Institute for Automation Systems Pluku 12a, Praha 8-Karlin, Czechoslovakia

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Meres es Automatika Lapkiado Vallalat, 1073 Budapest, Lenin-Korut 9-11, Hungary

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Mesures, Regulation, Automatisme 40 rue de Colisee, 75008 Paris, France

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Messen & Prufen Hans Holzman Verlag KG, 8939 Bad Worishofen, Gewerbestrasse 2, Postfach 460 und 480, Germany

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Messen & Zahlen Registrieren kontron Elektronik GmbH, 8051 Eching bei Munchen, Industriegebiet 1, Germany

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Messen Steuern Regeln mit Automatisierungspraxis Title changed to: *MSR (Mess. Steuern Regeln) (Germany)*

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Metals and Materials Metals Society, 1 Carlton House Terrace, London, SW1Y 5DB, England

Met. Sci. & Heat Treat. (USA) — (MHTRAN)
Metal Science and Heat Treatment [Translation of: *Metalloved. & Term. Obrab. Met. (USSR)*] Consultants Bureau, 227 West 17th Street, New York, NY 10011, USA

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Metal Science Metals Society, 1 Carlton House Terrace, London, SW1Y 5DB, England

Metal. & Electr. (Spain) — (MYELAF)
Metalurgia y Electricidad Apartado 756, Madrid, Spain

Metall. Trans. A (USA) — (MTTABN)
Metallurgical Transactions A (Physical Metallurgy and Materials Science) Metallurgical Society of American Institute of Mining, Metallurgical and Petroleum Engineers, 345 East 47th Street, New York, NY 10017, USA

Metall. Trans. B (USA) — (MTTBCR)
Metallurgical Transactions B (Process Metallurgy) Metallurgical Society of American Institute of Mining, Metallurgical and Petroleum Engineers, 345 East 47th Street, New York, NY 10017, USA

Metallofizika, Kiev (USSR) — (MFIZAC)
Metallofizika Izdatel'stvo 'Naukova Dumka', Kiev, Ul. Repina 3, USSR

Metallography (USA) — (MEIJAP)
Metallography American Elsevier Publishing Co., 52 Vanderbilt Avenue, New York, NY 10017, USA

Metalloved. & Term. Obrab. Met. (USSR) — (MTOMAX)
Metallovedenie i Termicheskaya Obrabotka Metallov Moskva, GSP-110, Prospekt Mira 106, USSR [English translation in: *Met. Sci. & Heat Treat. (USA)*]

Metalwork. Prod. (GB) — (MWPDAW)
Metalworking Production Morgan-Grampian (Publishers) Ltd., Morgan-Grampian House, Calderwood Street, London SE18 6QH, England

Meteoritics (USA) — (MERTAW)
Meteoritics Published jointly by The Meteoritical Society and Arizona State University Bureau of Publications, USA. Editorial address: Center for Meteorite Studies, Arizona State University, Tempe, Ariz. 85281

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Meteorologiya i Gidrologiya Editorial address: Moskva, D-376, Bol'shevistskaya ul., d.13, Komn. 114, USSR [English translation in: *Sov. Meteorol. & hydrol.(USA)*]

Meteorol. Ann. (Norway) — (MEANAV)
Meteorologiske Annaler Norske Meteorologiske Institutt (i samarbeid med Universitetets Institutt for Teoretisk Meteorlogi), Norway

Meteorol. Mag. (GB) — (MTMGA5)
Meteorological Magazine Director General Meteorological Office, London Road, Bracknell, Berks RG12 2SZ, England

Meteorol. Rundsch. (Germany) — (MERUAZ)
Meteorologische Rundschau Gebr. Borntraeger, D-7000 Stuttgart 1, Johannestrasse 3A, Germany

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Methods of Information in Medicine F.K. Schattauer Verlag GmbH, 7 Stuttgart 1, Postfach 2945, Lenzhalde 3, Germany

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Metra SEMA (Metra International), 16-18 Rue Barbes, 92128 Montrouge, France

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Metrika Physica-Verlag Rudolf Liebing K.G., A-1010 Wien, Seilerstatte 18 (Hofels), Austria

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Metrology and Inspection IPC Industrial Press Ltd., 33-40 Bowling Green Lane, London, EC1R 0NE, England

Metrol. Apl. (Rumania)
Metrologia Aplicata Formerly: *Calitatea Prod. & Metrol. (Rumania)* Editorial address: Institutul National de Metrologie, Sos. Vitan-Birzesti Nr 11, Sector 5, Bucuresti, Rumania

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Metrologia Springer-Verlag, Heidelberger Platz 3, D-1000 Berlin 33, Germany

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Metron Peter Peregrinus Ltd., P.O. Box 8, Southgate House, Stevenage, Herts. SG1 1HQ, England

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Micomp Drapalik-Verlag, Eichstrasse 24, CH-8045 Zurich, Switzerland

Microdoc (GB) — (MICDB6)
Microdoc Microfilm Association of Great Britain, 8, High Street, Guildford GU2 5AJ, England

Microelectron. & Reliab. (GB) — (MCRLAS)
Microelectronics and Reliability Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 OBW, England

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Microelectronics Mackintosh Publications Ltd., Victoria House, Victoria Street, Luton, Beds., LU1 5DH, England

Microform Rev. (USA) — (MFRVAB)
Microform Review Rogues Ridge, Weston, CT 06880, USA

Micron (GB) — (MICNB2)
Micron Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England

Microsc. Acta (Germany) — (MSACCU)
Microscopica Acta S. Hirzel Verlag, 7 Stuttgart 1, Birkenwaldstrasse 44, Postfach 347, Germany

Microscope (GB) — (MICRAD)
Microscope Microscope Publications, 2 McCrone Mews, Belsize Park, London NW3 5BG, England

Microtecnic (Switzerland) — (MITCAJ)
Microtecnic Agifa Verlag AG, Universitatstrasse 120, Postfach 257, CH-8033 Zurich, Switzerland

Microwave J. (USA) — (MCWJAD)
Microwave Journal 610 Washington Street, Dedham Plaza, Dedham, MA 02026, USA

Microwave Syst. News (USA) — (MWSNA9)
Microwave Systems News 3975 East Bayshore Road, Palo Alto, CA 94303, USA

Microwaves (USA) — (MCRWAR)
Microwaves Hayden Publishing Co., 50 Essex Street, Rochelle Park, NJ 07662, USA

Min. Technol. (GB) — (MNGTB7)
Mining Technology Association of Mining Electrical & Mechanical Engineers Marylebone Press Ltd., 25 Cross Street, Manchester M2 1WL, England

Mine, Pet. & Gaze (Rumania) — (MPGADY)
Mine, Petrol si Gaze Bd. Balcescu, Bucuresti, Rumania

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Mini-Micro Systems Formerly: *Mod. Data (USA)* Modern Data Services Inc., 5 Kane Industrial Drive, Hudson, MA 01749, USA

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Minoseg es Megbizhatosag Budapest V, Jozsef Attila u. 24, Hungary. Subscription address: Kultura, Budapest 1, Fo u. 32

Mitsubishi Denki Lab. Rep. (Japan) — (MDLRAN)
Mitsubishi Denki Laboratory Reports Research Laboratory, Mitsubishi Electric Manufacturing Company, Amagasaki, Japan

Mitsubishi Electr. Eng. (Japan) — (MTEEBS)
Mitsubishi Electric Engineer Mitsubishi Electric Corp., Mitsubishi Denki Building, Marunouchi, Tokyo 100, Japan

Mitsui Tech. Rev. (Japan) — (MIZGAR)
Mitsui Technical Review Mitsui Shipbuilding & Engineering Co. Ltd., 6-4 Tsukiji 5-Chome, Chuo-Ku, Tokyo, Japan

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Mitteilungen der Astronomischen Gesellschaft Astronomisches Institut der Universitat Tubingen, Tubingen, Germany

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Mitteilungen aus der Max-Planck-Gesellschaft Munchen 1, Residenzstrasse 1a, Eingang Hofgartenstrasse, Postfach 647, Germany

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Modern Data Title changed to: *Mini-Micro Syst. (USA)*

Mod. Geol. (GB) — (MOGEB3)
Modern Geology Gordon & Breach Science Publishers Ltd., 41 and 42 William IV Street, London, WC2, England

Mod. Mach. Shop (USA) — (MMASAY)
Modern Machine Shop Gardner Publications Inc., 600 Main Street, Cincinnati, OH 45202, USA

Mod. Mater. Handl. (USA) — (MMHHA2)
Modern Materials Handling Cahners Publishing Co., 221 Columbus Avenue, Boston, MA 02116, USA

Mod. Off. & Data Manage. (Australia) — (MODMDE)
Modern Office & Data Management Rydge Publications Pty. Ltd., 74 Clarence Street, Sydney, N.S.W. 2001, Australia

Mod. Power & Eng. (Canada) — (MPENAQ)
Modern Power and Engineering Maclean-Hunter Ltd., 481 University Avenue, Toronto M5W 1A7, Canada

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Modern Railways Ian Allan, Terminal House, Shepperton, Middx., TW17 8AS, England

Mol. Cryst. & Liq. Cryst. (GB) — (MCLCA5)
Molecular Crystals and Liquid Crystals Gordon & Breach Science Publishers Ltd., 41 and 42 William IV Street, London, WC2, England

Mol. Cryst. & Liq. Cryst. Lett. (GB) — (MCLCA5)
Molecular Crystals and Liquid Crystals Letters Gordon & Breach Science Publishers Ltd. 41 & 42 William IV Street, London, WC2, England

Mol. Phys. (GB) — (MOPHAM)
Molecular Physics Taylor & Francis Ltd., 10-14 Macklin Street, London, WC2B 5NF, England

Mon. Not. R. Astron. Soc. (GB) — (MNRAA4)
Monthly Notices of the Royal Astronomical Society Burlington House, London, W1V ONL, England

Mon. Notes Astron. Soc. South Afr. (S. Africa) — (MASAAK)
Monthly Notes of the Astronomical Society of Southern Africa South African Astronomical Observatory, P.O. Box 9. Observatory, Cape, South Africa

Mon. Tech. Rev. (Germany) — (MTCRAM)
Monthly Technical Review VEB Verlag Technik, Oranienburger Strasse 13/14, 102 Berlin, Germany

Monatsber. Dtsch. Akad. Wiss. Berlin (Germany) — (MDAWAH)
Monatsberichte der Deutschen Akademie der Wissenschaften zu Berlin Akademie-Verlag, Leipziger Strasse 3-4, 108 Berlin W8, Germany

Monitor (Australia) — (MONIDI)
Monitor Formerly: *Proc. Inst. Radio & Electron. Eng. Aust. (Australia)* Institution of Radio and Electronics Engineers Australia, Science House, 157 Gloucester Street, Sydney, N.S.W. 2000, Australia

Monogr. Res. Inst. Appl. Electr. (Japan) — (MSHUAF)
Monograph of the Research Institute of Applied Electricity Research Institute of Applied Electricity, Hokkaido University, Sapporo, Japan

Moon (Netherlands) — (MOONB2)
The Moon D. Reidel Publishing Co., P.O. Box 17, Dordrecht, Netherlands

Morsk. Gidrofiz. Issled. (USSR) — (MGFIBM)
Morskie Gidrofizicheskie Issledovaniya Akademiya Nauk UkSSR, Morskoi Gidrofizicheskie Institut, Sevastopol, USSR

Moscow Univ. Phys. Bull. (USA) — (MUPBAC)
Moscow University Physics Bulletin [Translation of: *Vestn. Mosk. Univ. Fiz. Astron. (USSR)*] Allerton Press Inc., 150 Fifth Avenue, New York, NY 10011, USA

Mot. Ship (GB) — (MOSHA3)
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MSR (Messen Steuern Regeln) Formerly: *Mess. Steuern Regeln mit Automatisierungsprax. (Germany)* VEB Verlag Technik, DDR 102 Berlin, Oranienburger Strasse 13/14, Germany

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New Zealand Journal of Science Department of Scientific and Industrial Research, Private Bag, Wellington, New Zealand

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Nachrichtentechnische Fachberichte (NTF) Title changed to: *NTG-Fachber. (Germany)*

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National Electronics Review National Electronics Council, Abell House, John Islip Street, London, SW1P 4LN, England

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National Technical Report Matsushita Electric Ind. Co., 1006 Kadoma, Osaka, Japan

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Nav. Res. Logist. Q. (USA) — (NRLQAR)
Naval Research Logistics Quarterly Office of Naval Research, Arlington, VA 22217, USA. Subscription address: Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402

Nav. Res. Rev. (USA) — (NARRA9)
Naval Research Reviews Department of the Navy, Office of Naval Research, Arlington, VA 22217, USA

Navigation (France) — (NVGNAL)
Navigation Institut Francaise de Navigation, 3 avenue Octave-Greard, Paris 7, France

Navigation (USA) — (NAVIB3)
Navigation. Journal of the Institute of Navigation Suite 832, 815 15th Street, N.W., Wasington, DC 20005, USA

NCC Interface (GB) — (NCCIAN)
NCC Interface National Computing Centre Ltd., Quay House, Quay Street, Manchester, M3 3HU, England

NDT Int. (GB) — (NDETA5)
NDT International Formerly: *Non-Destr. Test. (GB)* IPC Science and Technology Press Ltd., IPC House, 32 High Street, Guildford, Surrey GU1 3EW, England

NEC Res. & Dev. (Japan) — (NECRAU)
NEC Research and Development Nippon Electric Co., 7-15 Shiba Gochome, Minato-ku, Tokyo, Japan

Ned. Tijdschr. Natuurkd. (Netherlands) — (NTNKAX)
Nederlands Tijdschrift voor Natuurkunde Title changed to: *Ned. Tijdschr. Natuurkd. A (Netherlands)*

Ned. Tijdschr. Natuurkd. A (Netherlands)
Nederlands Tijdschrift voor Natuurkunde A Formerly: *Ned. Tijdschr. Natuurkd. (Netherlands)* Nederlandse Natuurkundige Vereniging, Princetonplein 5, Utrecht, Netherlands

Network (USA) — (NWRKA6)
Network. International Communications in Library Automation Association for Library Automation Research Communications, P.O. Box 27235, Tempe, AZ 85282, USA. Larc Press Ltd., 105-117 West Fourth Avenue, Peoria, IL 61602

Networks (USA) — (NTWKAA)
Networks Interscience Publishers, 605 Third Avenue, New York, NY 10016, USA

Neue Huette (Germany) — (NEUHAM)
Neue Hutte VEB Deutscher Verlag fur Grundstoffindustrie, 7031 Leipzig, Karl-Heine-Strasse 27, Germany

Neue Tech. (Switzerland) — (NETEA8)
Neue Technik Verlag Neue Technik AG, Tiefenhofe 11, Paradeplatz, 8001 Zurich, Switzerland

Neue Tech. Buero (Germany) — (NTBUB4)
Neue Technik im Buro (Journal of Data Processing and Office Machines) VEB Verlag Technik, 102 Berlin, Oranienburger Strasse 13-14, Germany

New Electron. (GB) — (NWELAC)
New Electronics Juniper Journals Ltd., 49/50 Hatton Garden, London, EC1N 8XS, England

New J. Stat. & Oper. Res. (GB) — (NJSOBZ)
New Journal of Statistics and Operational Research C. Mack, The University, Bradford, England

New Phys. (Korean Phys. Soc.) — (NWPYA4)
New Physics (Korean Physical Society) Seoul, Korea

New Sci. (GB) — (NWSCAL)
New Scientist New Science Publications, 128 Long Acre, London, WC2E 9QH, England

News Rohde & Schwarz (Germany) — (NROSAE)
News from Rohde and Schwarz Rohde and Schwarz, Muhldorfstrasse 15, Postfach 801469, 8000 Munchen 80, Germany

NHK Lab. Note (Japan) — (NHKLA5)
NHK Laboratories Note Nippon Hoso Kyokai, 1-10-11 Kinuta, Setagaya-ku, Tokyo, Japan

NHK Tech. J. (Japan) — (NHKTAT)
NHK Technical Journal NHK Technical Research Laboratories, Broadcasting Science Research Laboratories, 1-10-11 Kinuta, Setagaya-ku, Tokyo, Japan

NHK Tech. Monogr. (Japan) — (NHOKAM)
NHK Technical Monograph Nippon Hoso Kyokai (Japan Broadcasting Corporation), 361 Kinuta-machi, Setagaya-ku, Tokyo, Japan

Noise Control Eng. (USA) — (NCEGAR)
Noise Control Engineering Institute of Noise Control Engineering. Editorial address: Ray W. Herrick Laboratories, Purdue University, West Lafayette, IN 47907, USA

Noise Control Vib. & Insul. (GB) — (NCVIDJ)
Noise Control, Vibration and Insulation Trade & Technical Press Ltd., Crown House, Morden, Surrey SM4 5EW, England

Non-Destr. Test. (GB) — (NDETA5)
Non-Destructive Testing Title changed to: *NDT Int. (GB)*

Nonlinear Anal. Theory, Methods & Appl. (GB)
Nonlinear Analysis Theory, Methods & Applications Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England

Nord. Tidskr. Medicotek. (Denmark) — (NTMCB5)
Nordisk Tidskrift for Medicoteknik Issued with: *Elektronik (Denmark)*

Norelco Rep. (USA) — (NORRA5)
Norelco Reporter Philips Electronic Instruments, 750 South Fulton Avenue, Mount Vernon, NY 10550, USA

NORMA-Tech. Inf. (Austria) — (NRTIBA)
NORMA-Technical Information NORMA Messtechnik Gesellschaft m.b.H., A-1111 Wien, Postfach 88, Fickeysstrasse 1-11, Austria

Not. Ist. Autom. Univ. Roma (Italy) — (NIAUAN)
Notiziario dell'Istituto di Automatica dell'Universita di Roma Universita Degli Studi, Citta Universitaria, Rome, Italy

Notas Fis. (Brazil) — (NFBFAU)
Notas de Fisica Centro Brasileiro de Pesquisas Fisicas, Av. Wenceslau Braz 71, Rio de Janeiro, Brazil

Note Recens. & Not. (Italy) — (NRNOAV)
Note Recensioni e Notizie Istituto Superiore Poste Telecommunicazioni, Viale Trastevere 189, Roma, Italy

Notre Dame J. Formal Logic (USA) — (NDJFAM)
Notre Dame Journal of Formal Logic University of Notre Dame, P.O. Box 5, Notre Dame, IN 46556, USA

Nouv. Rev. Opt. (France) — (NVROBC)
Nouvelle Revue d'Optique Title changed to: *J. Opt. (France)*

NTG-Fachber. (Germany) — (NTGFDK)
NTG-Fachberichte Formerly: *Nachrichtentech. Fachber. (NTF) (Germany)* VDE-Verlag GmbH, 1000 Berlin 12, Bismarckstrasse 33, Germany

Nucl. Data Sheets (USA) — (NDTSBA)
Nuclear Data Sheets Academic Press Inc., 111 Fifth Avenue, New York, NY 10003, USA

Nucl. Eng. & Des. (Netherlands) — (NEDEAU)
Nuclear Engineering and Design North-Holland Publishing Co., P.O. Box 211, Amsterdam, Netherlands

Nucl. Eng. Int. (GB) — (NEINBF)
Nuclear Engineering International IPC Electrical-Electronic Press Ltd., Dorset House, Stamford Street, London, SE1 9LU, England

Nucl. Fusion (Austria) — (NUFUAU)
Nuclear Fusion (Fusion Nucleaire - Yadernyi Sintex -Fusion Nuclear) Journal of Plasma Physics and Thermonuclear Fusion International Atomic Energy Agency, Karntnerring 11, P.O. Box 590, A-1011 Wien, Austria

Nucl. Instrum. & Methods (Netherlands) — (NUIMAL)
Nuclear Instruments and Methods North-Holland Publishing Co., P.O. Box 211, Amsterdam, Netherlands

Nucl. News (USA) — (NUNWA8)
Nuclear News American Nuclear Society, 244 Ogden Avenue, Hinsdale, IL 60521, USA

Nucl. Phys. Vol. A (Netherlands) — (NUPABL)
Nuclear Physics, Volume A North-Holland Publishing Co., P.O. Box 211, Amsterdam, Netherlands

Nucl. Phys. Vol. B (Netherlands) — (NUPBBO)
Nuclear Physics. Volume B North-Holland Publishing Co., P.O. Box 211, Amsterdam, Netherlands

Nucl. Sci. & Eng. (USA) — (NSENAO)
Nuclear Science and Engineering. Journal of the American Nuclear Society American Nuclear Society, 244 East Ogden Avenue, Hinsdale, IL 60521, USA

Nucl. Technol. (USA) — (NUTYBB)
Nuclear Technology American Nuclear Society, 244 East Ogden Avenue, Hinsdale, IL 60521, USA

Nucl. Track Detect. (GB)
Nuclear Track Detection Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England

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Nucleus Pakistan Atomic Energy Commission, P.O. Box 3112, Karachi-29, Pakistan

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Nukleonika Polska Akademia Nauk, 00-901 Warszawa, Polac Kultury i Nauki, Poland

Numer. Math. (Germany) — (NUMMA7)
Numerische Mathematik Springer-Verlag, 1 Berlin 33, Heidelberger Platz 3, Germany

Nuovo Cimento A (Italy) — (NIFAAM)
Il Nuovo Cimento. A Societa Italiana di Fisica Publication address: Via Degli Andalo 2, 40124 Bologna, Italy

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Il Nuovo Cimento. B Societa Italiana di Fisica Publication address: Via Degli Andalo 2, 40122 Bologna, Italy

Observatory (GB) — (OBSEAR)
Observatory Royal Greenwich Observatory, Herstmonceux Castle, Hailsham, Sussex BN27 1RP, England

Occup. Health & Saf. (USA) — (OHSADQ)
Occupational Health and Safety Formerly: *Int. J. Occup. Health & Saf. (USA)* Medical Publications Inc., P.O. Box 7573, Waco, TX 76710, USA

Ocean Eng. (GB) — (OCENBQ)
Ocean Engineering Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 OBW, England

Oceanology (USA) — (ONLGAE)
Oceanology [Translation of: *Okeanologiya (USSR)*] American Geophysical Union, 1909 K Street, N.W., Washington, DC 20036, USA

Oelhydraul. & Pneum. (Germany) — (OEPNAQ)
Olhydraulik und Pneumatik Krauskopf-Verlag fur Wirtschaft GmbH, Lessingstrasse 12-14, Postfach 2760, 65 Mainz, Germany

OEM Des. (GB) — (OEMDAF)
OEM Design Mercury House Business Publications, Mercury House, Waterloo Road, London, SE1 8UL, England

Oesterr. Ing.-Z. (Austria) — (OSIZAN)
Osterreichische Ingenieur-Zeitschrift Springer-Verlag, Molkerbastei 5, Postfach 367, A-1011 Wien, Austria

Oesterr. Z. Elektrizitaetswirtsch. (OEZE) (Austria) — (OZELAA)
Osterreichische Zeitschrift fur Elektrizitatswirtschaft Springer-Verlag, Molkerbastei 5, Postfach 357, A 1011 Wien, Austria

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Offshore Services Spearhead Publications Ltd., 55-59 Fife Road, Kingston-upon-Thames, Surrey, England

Ogneupory (USSR) — (OGNPA2)
Ogneupory Moskva G-34, 2-i, Obl'denskii, rep. 14, USSR [English translation in: *Refractories (USA)*]

Okeanologiya (USSR) — (OKNOAR)
Okeanologiya 2 ya Tilografiya Iadatelvstva 'Nauka', Moskva, Shchybiiskii lep. 10, USSR [English translation in: *Oceanology (USA)*]

Omega (GB) — (OMEGA6)
Omega Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 OBW, England

Omron Tech. (Japan) — (OMTKAP)
Omron Technics Omron Tateisi Electronics Co., Tokyo, Japan

On-Line Rev. (GB)
On-Line Review Learned Information (Europe) Ltd., Woodside, Hinksey Hill, Oxford OX1 5BP, England

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L'Onde Electrique Masson et Cie, 120 bd. Saint-Germaine, 75280 Paris Cedex 06, France

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Online Verlagsgesellschaft Rudolf Muller, 5 Koln 41, Postfach 410949, Stolberger Strasse 84, Germany

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Online Online Inc., Department 1A, 11 Tannery Lane, Weston, CT 06883, USA

Online-ADL-Nachr. (Germany)
Online-ADL-Nachrichten Formerly: *ADL-Nachr. (Germany)* Verlagsgesellschaft Rudolf Muller GmbH & Co., Stolberger Strasse 84, 5000 Koln 41, Germany

Ontario Libr. Rev. (Canada) — (OLBRAH)
Ontario Library Review Provincial Library Service, 14th Floor, Mowat Block, Queen's Park, Toronto M7A 1C5, Canada

Open (Netherlands) — (OPNNBQ)
Open N.V. Uitgeversmaatschappij AE. E. Kluwer, Postbus 23, Deventer, Netherlands

Oper. Res. (USA) — (OPREAI)
Operations Research Operations Research Society of America, 428 East Preston Street, Baltimore, MD 21202, USA

Oper. Res. Q. (GB) — (OPRQAK)
Operational Research Quarterly Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 OBW, England

Oper. Res. Verfahren-Methods Oper. Res. (Germany) — (ORVEAI)
Operations Research Verfahren-Methods of Operations Research Verlag Anton Hain K.G., Meisenheim am Glan, Germany

Oper. Syst. Rev. (USA) — (OSRED8)
Operating Systems Review Association for Computing Machinery, 1133 Avenue of the Americas, New York, NY 10036, USA

Opsearch (India) — (OPSEAN)
Opsearch Operational Research Society of India. Editorial address: Defence Science Laboratory, Metcalfe House, Delhi-110054, India

Opt. & Laser Technol. (GB) — (OLTCAS)
Optics and Laser Technology IPC Science and Technology Press Ltd., IPC House, 32 High Street, Guildford, Surrey GU1 3EW, England

Opt. & Quantum Electron. (GB) — (OQELDI)
Optical and Quantum Electronics Chapman and Hall, 11 New Fetter Lane, London, EC4P 4EE, England

Opt. & Spectrosc. (USA) — (OPSUA3)
Optics and Spectroscopy [Translation of: *Opt. & Spektrosk. (USSR)*] Optical Society of America, 335 East 45th Street, New York, NY 10017, USA

Opt. & Spektrosk. (USSR) — (OSFMA3)
Optika i Spektroskopiya Akademiya Nauk SSSR, Leninskii Prosp. 14, Moskva, USSR [English translation in: *Opt. & Spectrosc. (USA)*]

Opt. Acta (GB) — (OPACAT)
Optica Acta Taylor and Francis Ltd., 10-14 Macklin Street, London, WC2B 5NF, England

Opt. Commun. (Netherlands) — (OPCOB8)
Optics Communications North-Holland Publishing Co., P.O. Box 211, Amsterdam, Netherlands

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Optical Engineering Society of Photo-Optical Instrumentation Engineers, P.O. Box 10, 405 Fieldston Road, Bellingham, WA 98225, USA

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Optica Pura y Aplicada Serrano 121, Madrid 6, Spain

Opt. Spectra (USA) — (OPTSA2)
Optical Spectra Optical Publishing Co., Lenox Road, Pittsfield, MA 01201, USA

Opt.-Mekh. Prom.-st. (USSR) — (OPMPAQ)
Optiko-Mekhanicheskaya Promyshlennost Vasilov Optical Research Institute, Kaluzhskoye Chausee 32, Moskva, USSR [English translation in: *Sov. J. Opt. Technol. (USA)*]

Optik (Germany) — (OTIKAJ)
Optik Wissenschaftliche Verlagsgesellschaft, D-7000 Stuttgart 1, Postfach 40, Germany

Optom. Wkly. (USA) — (OPWEA9)
Optometric Weekly Professional Press Inc., 101 East Ontario Street, Chicago, IL 60611, USA

Origins of Life (Netherlands) — (OGLFAU)
Origins of Life D. Reidel Publishing Co., P.O. Box 17, Dordrecht, Netherlands

ORSA/TIMS Bull. (USA)
ORSA/TIMS Bulletin Formerly: *TIMS/ORSA Bull. (USA)* Operations Research Society of America, 428 East Preston Street, Baltimore, MD 21202, USA

Oss. & Mem. Oss. Astrofis. Arcetri (Italy) — (OMOAA4)
Osservazioni e Memorie dell'Osservatorio Astrofisico di Arcetri Universita Degli Studi di Firenze, Firenze, Italy

Otbor & Peredacha Inf. (USSR) — (OTPIAE)
Otbor i Peredacha Informatsii Izdatel'stvo 'Naukova Dumka', Kiev, Repina 3, USSR

Oxid. Met. (USA) — (OXMEAF)
Oxidation of Metals Plenum Publishing Corp., 227 West 17th Street, New York, NY 10011, USA

Oyo Buturi (Japan) — (OYBSA9)
Oyo Buturi Japan Society of Applied Physics, Room No. 209-2, Kikai-Shinko Building, 3 Shiba-Koen, Minato-ku, Tokyo, Japan

Pak. Eng. (Pakistan) — (PKSEAX)
Pakistan Engineer Council of the Institute of Engineers (Pakistan), Ramma, Dacca-2, Pakistan

Pak. J. Sci. & Ind. Res. (Pakistan) — (PSIRAA)
Pakistan Journal of Scientific and Industrial Research Pakistan Council of Scientific and Industrial Research, 39 Garden Road, Karachi 3, Pakistan

Pak. J. Sci. (Pakistan) — (PAJSAS)
Pakistan Journal of Science Pakistan Association for the Advancement of Science, 14 Shah Jamal Scheme, Lahore 12, Pakistan

Pak. J. Sci. Res. (Pakistan) — (PJSRAV)
Pakistan Journal of Scientific Research Pakistan Association for the Advancement of Science, 14 Shah Jamal Scheme, Lahore 12, Pakistan

Pap. Inst. Post Off. Electr. Eng. (GB) — (PIPEA4)
Institution of Post Office Electrical Engineers, Printed Papers GPO, 2-12 Gresham Street, London, EC2V 7AG, England

Part. & Nucl. (USA) — (PANUAK)
Particles and Nuclei Fazl-I-Umar Research Institute Inc., P.O. Box 338, Athens, OH 45701, USA

Part. Accel. (GB) — (PLACBD)
Particle Accelerators Gordon & Breach Science Publishers Ltd., 41 and 42 William IV Street, London, WC2, England

Pattern Recognition (GB) — (PTNRA8)
Pattern Recognition Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 OBW, England

Period Math. Hung. (Hungary) — (PMHGAW)
Periodica Mathematica Hungarica Akademiai Kiado, Alkotmany U 21, Budapest V, Hungary

Period. Polytech. Electr. Eng. (Hungary) — (PPYTA7)
Periodica Polytechnica (Electrical Engineering—Elektrotechnik) Kultura, H-1389 Budapest, P.O.B. 149, Hungary

Perkin-Elmer NMR Q. (GB) — (PENQA2)
Perkin-Elmer NMR Quarterly Perkin-Elmer Ltd., Beaconsfield, Bucks, England

Philips Res. Rep. (Netherlands) — (PRREA9)
Philips Research Reports B.V. Uitgeversmaatschappij Centrex (Centrex Publishing Co.), Cederlaan 4, P.O. Box 76, Eindhoven, Netherlands

Philips Tech. Rev. (Netherlands) — (PTREAN)
Philips Technical Review Research Laboratories N.V. Philips Gloeikampenfabrieken, Eindhoven, Netherlands

Philips Telecommun. Rev. (Netherlands) — (PTLRAW)
Philips Telecommunication Review Philips' Telecommunicatie Industrie B.V., P.O. Box 82, Hilversum, Netherlands

Philos. Mag. (GB) — (PHMAA4)
Philosophical Magazine Taylor and Francis Ltd., 10-14 Macklin Street London, WC2B 5NF, England

Philos. Sci. (USA) — (PHSCA6)
Philosophy of Science Philosophy of Science Association, 18 Morrill Hall, Department of Philosophy, Michigan State University, East Lansing, MI 48823, USA

Philos. Trans. R. Soc. London A (GB) — (PTRMAD)
Philosophical Transactions of the Royal Society of London A (Mathematical and Physical Sciences) 6 Carlton House Terrace, London, SW1Y 5AG, England

Photogr. Sci. & Eng. (USA) — (PSENAC)
Photographic Science and Engineering Society of Photographic Scientists and Engineers, Suite 204, 1330 Massachusetts Avenue N.W., Washington, DC 20005, USA

Photogramm. Eng. & Remote Sensing (USA) — (PERSDV)
Photogrammetic Engineering and Remote Sensing American Society of Photogrammetry, 105 North Virginia Avenue, Falls Church, VA 22046, USA

Phys. & Chem. Glasses (GB) — (PCGLA6)
Physics and Chemistry of Glasses (Section B of the Journal of the Society of Glass Technology) Society of Glass Technology, Thornton, Hallam Gate Road, Sheffield, S10 5BT, England

Phys. & Chem. Liq. (GB) — (PCLQAC)
Physics and Chemistry of Liquids Gordon & Breach Science Publishers Ltd., 41 and 42 William IV Street, London, WC2, England

Phys. Bl. (Germany) — (PHBLAG)
Physikalische Blatter Physik-Verlag GmbH, D-6940 Weinheim/Bergstrasse, Pappelalle 3, PB 1260-80, Germany

Phys. Bull. (GB) — (PHSBB4)
Physics Bulletin Institute of Physics, 47 Belgrave Square, London, SW1X 8QX, England

Phys. Earth & Planet. Inter. (Netherlands) — (PEPIAM)
Physics of the Earth and Planetary Interiors North-Holland Publishing Co., P.O. Box 211, Amsterdam, Netherlands

Phys. Educ. (GB) — (PHEDA7)
Physics Education Institute of Physics, 47 Belgrave Square, London, SW1X 8QX, England

Phys. Fenn. (Finland) — (PHFEAF)
Physica Fennica Finnish Physical Society, Siltavuorenpenger 20 c, SF-00170 Helsinki 17, Finland

Phys. Fluids (USA) — (PFLDAS)
Physics of Fluids American Institute of Physics, 335 East 45th Street, New York, NY 10017, USA

Phys. Lett. Vol. A (Netherlands) — (PYLAAG)
Physics Letters. Volume A North-Holland Publishing Co., P.O. Box 211, Amsterdam, Netherlands

Phys. Lett. Vol. B (Netherlands) — (PYLBAJ)
Physics Letters. Volume B North-Holland Publishing Co., P.O. Box 211, Amsterdam, Netherlands

Phys. Med. & Biol. (GB) — (PHMBA7)
Physics in Medicine and Biology Institute of Physics, 47 Belgrave Square, London, SW1X 8QX, England

Phys. Met. & Metallogr. (GB) — (PHMMA6)
Physics of Metals and Metallography [Translation of: *Fiz. Met. & Metalloved. (USSR)*] Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 OBW, England

Phys. Norv. (Norway) — (PHNOAH)
Physica Norvegica Institute of Physics, University of Oslo, Blindern, per Oslo, Norway

Phys. Rep. Phys. Lett. Sect. C (Netherlands) — (PRPLCM)
Physics Reports. Physics Letters Section C North-Holland Publishing Co., P.O. Box 211, Amsterdam, Netherlands

Phys. Rev. A (USA) — (PLRAAN)
Physical Review A (General Physics) Published for the American Physical Society by the American Institute of Physics, 335 East 45th Street, New York, NY 10017, USA

Phys. Rev. B (USA) — (PLRBAQ)
Physical Review B (Solid State) Published for the American Phusical Society by the American Institute of Physics, 335 East 45th Street, New York, NY 10017, USA

Phys. Rev. C (USA) — (PRVCAN)
Physical Review C (Nuclear Physics) Published for the American Physical Society by the American Institute of Physics, 335 East 45th Street, New York, NY 10017, USA

Phys. Rev. D (USA) — (PRVDAQ)
Physical Review D (Particles and Fields) Published for the American Physical Society by the American Institute of Physics, 335 East 45th Street, New York, NY 10017, USA

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Physical Review Letters Published for the American Physical Society by the American Institute of Physics, 335 East 45th Street, New York, NY 10017, USA

Phys. Scr. (Sweden) — (PHSTBO)
Physica Scripta Royal Swedish Academy of Sciences, S-104 05 Stockholm 50, Sweden

Phys. Status Solidi a (Germany) — (PSSABA)
Physica Status Solidi (a) Akademie-Verlag, DDR 108 Berlin, Leipziger Strasse 3-4, Germany

Phys. Status Solidi b (Germany) — (PSSBBD)
Physica Status Solidi b Akademie-Verlag, DDR 108 Berlin, Leipzigerstrasse 3-4, Germany

Phys. Teach. (USA) — (PHTEAH)
Physics Teacher American Institute of Physics, 335 East 45th Street, New York, NY 10017, USA

Phys. Technol. (GB) — (PHYTBK)
Physics in Technology Institute of Physics, 47 Belgrave Square, London, SW1X 8QX, England

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Physica Subscription address: North-Holland Publishing Co., P.O. Box 211, Amsterdam, Netherlands

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Physica B & C Subscription address: North-Holland Publishing Co., P.O. Box 211, Amsterdam, Netherlands

Pis'ma v Astron. Zh. (USSR) — (PAZHDA)
Pis'ma v Astronomicheskie Zhurnal Agent: Mezhdunarodnaya Kniga, Moskva, USSR [English translation in: *Sov. Astron. Lett. (USA)*]

Pis'ma v Zh. Eksp. & Teor. Fiz. (USSR) — (PZETAB)
Pis'ma v Zhurnal Eksperimental'noi i Teoreticheskoi Fiziki Formerly: *Zh. Eksp. & Teor. Fiz. Pis'ma v Red. (USSR)* Akademiya Nauk SSSR, Leninskii Prospekt 14, Moskva, USSR [English translation in: *JETP Lett. (USA)*]

Pis'ma v Zh. Tekh. Fiz. (USSR) — (PZTFDD)
Pis'ma v Zhurnal Tekhnicheskoi Fizika Izdatel'stvo 'Nauka', Leningrad, USSR [English translation in: *Sov. Tech. Phys. Lett. (USA)*]

PLA Bull. (USA) — (PLBABC)
PLA Bulletin Pennsylvania Library Association. Editorial address: Mine Safety Appliances Co., Library, Pittsburgh, PA 15208, USA

Planet. & Space Sci. (GB) — (PLSSAE)
Planetary and Space Science Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 OBW, England

Planseeber. Pulvermetall. (Austria) — (PLPUA5)
Planseeberichte fur Pulvermetallurgie Postfach 74, 6600 Reutte, Austria

Plant Eng. (GB) — (PLEGAA)
Plant Engineer Institution of Plant Engineers, 138 Buckingham Palace Road, London, SW1W 9SG, England. Batiste Publication Ltd., Drummond House, 203-209 Gower Street, London, NW1

Plasma Phys. (GB) — (PLPHBZ)
Plasma Physics Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 OBW, England

Plast. & Polym. (GB) — (PLPOBM)
Plastics and Polymers Title changed to: *Plast. & Rubber (GB)*

Plast. & Rubber (GB)
Plastics and Rubber Title changed to: *Plast. & Rubber Int. (GB)*

Plast. & Rubber Int. (GB)
Plastics and Rubber International Formerly: *Plast. & Rubber (GB)* Plastics and Rubber Institute, 11 Hobart Place, London SW1W 0HL, England

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Plastics and Rubber Materials and Applications Published for the Plastics and Rubber Institute by Peter Peregrinus Ltd., P.O. Box 8, Southgate House, Stevenage, Herts. SG1 1HQ, England

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Plating and Surface Finishing American Electroplaters' Society Inc., 1201 Louisiana Avenue, Winter Park, FL 32789, USA

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Polymer Mechanics [Translation of: *Mekh. Polim. (USSR)*] Consultants Bureau, 227 West 17th Street, New York, NY 10011, USA

Polym. News (GB) — (PLYNBU)
Polymer News Gordon & Breach Science Publishers Ltd., 41 and 42 William IV Street, London, WC2, England

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Polymer Science U.S.S.R [Translation of: *Vysokomol. Soedin. Ser. A (USSR)*] Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 OBW, England

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Power Engineering - Academy of Sciences of the USSR [Translation of: *Izv. Akad. Nauk SSSR Energ. & Transp.*] Allerton Press Inc., 150 Fifth Avenue, New York, NY 10011, USA

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Power Engineering Technical Publishing Co., 1301 South Grove Avenue, Barrington, IL 60010, USA

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Pribory i Tekhnika Eksperimenta Agent: Mezhdunarodnaya Kniga Moskva, USSR [English translation in: *Instrum. & Exp. Tech. (USA)*]

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Price Waterhouse Review Price Waterhouse & Co., 1251 Avenue of the Americas, New York, NY 10020, USA

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Proceedings of the IEEE Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA

Proc. Indian Acad. Sci. Sect. A — (PISAA7)
Proceedings of the Indian Academy of Sciences Section A Bangalore 560006, India

Proc. Indian Assoc. Cultiv. Sci. — (PICSAF)
Proceedings of the Indian Association for Cultivation of Sciences Issued with: *Indian J. Phys.*

Proc. Indian Natl. Sci. Acad. Part A — (PIPSBD)
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Proceedings of the Institution of Radio and Electronics Engineers, Australia Title changed to: *Monitor (Australia)*

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Proceedings of the Institution of Railway Signal Engineers Room 534, British Transport Commission, 222 Marylebone Road, London, NW1, England

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Proc. Jpn. Acad. (Japan) — (PJACAW)
Proceedings of the Japan Academy Ueno Park, Tokyo, Japan

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Proceedings, Koninklijke Nederlandse Akademie van Wetenschappen. Series B (Physical Sciences) North-Holland Publishing Co., P.O. Box 211, Amsterdam, Netherlands

Proc. Leeds Philos. & Lit. Soc. (GB) — (PIOAAL)
Proceedings of the Leeds Philosophical and Literary Society The University, Leeds, England

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Proceedings of the Society for Information Display Title changed to: *Proc. S.I.D. (USA)*

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Q. Appl. Math. (USA) — (QAMAAY)
Quarterly of Applied Mathematics American Mathematical Society, P.O. Box 1571, Providence, RI 02901, USA

Q. Bull. Int. Assoc. Agric. Libr. & Doc. (Netherlands) — (QBALAE)
Quarterly Bulletin of the International Association of Agricultural Librarians and Documentalists Editorial address: "de Hulle", Hullerpad 14, Lunteren, Netherlands

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Quarterly of the Colorado School of Mines Golden, CO 80401, USA

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Quarterly Journal of Mechanics and Applied Mathematics Oxford University Press, Ely House, London, W1, England

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Quarterly Journal of the Royal Astronomical Society Burlington House, London, W1V ONL, England

Q. J. R. Meteorol. Soc. (GB) — (QJRMAM)
Quarterly Journal of the Royal Meteorological Society Cromwell House, High Street, Bracknell, Berks, England

Q. Rep. Railw. Tech. Res. Inst. (Japan) — (QRTIA8)
Quarterly Report of the Railway Technical Research Institute Railway Technical Institute, JNR, Kunitachi, P.O. Box 9, Tokyo, Japan

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Qualite Revue Pratique de Controle Industriel Editions Ampere, 46 Rue Ampere, 75017 Paris, France

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R & D Management Basil Blackwell Publications, 108 Cowley Road, Oxford, OX4 1JF, England

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Royal Observatory Bulletins Royal Greenwich Observatory, Herstmonceux Castle, Hailsham, Sussex BN27 1RP, England

R. Telev. Soc. J. (GB) — (RTSJAV)
Royal Television Society Journal Title changed to: *Television (J. R. Telev. Soc.) (GB)*

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Radiation Effects Gordon & Breach Science Publishers Ltd., 41 and 42 William IV Street, London, WC2, England

Radiat. Phys. & Chem. (GB)
Radiation Physics and Chemistry Formerly: *Int. J. Radiat. Phys. & Chem. (GB)* Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England

Radiat. Res. (USA) — (RAREAE)
Radiation Research Radiation Research Society, Academic Press Inc., 111 Fifth Avenue, New York, NY 10003, USA

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Radio Elektronik Schau Title changed to: *Elektronikschau (Austria)*

Radio Eng. & Electron. Phys. (USA) — (RENPAL)
Radio Engineering and Electronic Physics [Translation of: *Radiotekh. & Elektron. (USSR)*] Scripta Publishing Corp., 1511 K Street N.W., Washington, DC 20005, USA

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Radiochem. & Radioanal. Lett. (Switzerland) — (RRALAZ)
Radiochemical and Radioanalytical Letters Elsevier Sequoia S.A., P.O. Box 851, CH-1001 Lausanne, Switzerland. Akademiai Kiado, Alkotmany U 21, Budapest 5, Hungary

Radiol. Prot. Bull. (GB) — (RDPBAG)
Radiological Protection Bulletin National Radiological Protection Board, Harwell, Didcot, Berks, England

Radiophys. & Quantum Electron. (USA) — (RPQEAC)
Radiophysics and Quantum Electronics [Translation of: *Izv. VUZ Radiofiz. (USSR)*] Consultants Bureau, 227 West 17th Street, New York, NY 10011, USA

Radiotekh. & Elektron. (USSR) — (RAELA4)
Radiotekhnika i Elektronika Moskva TSP-3, Pr. Karl Marx 18, USSR [English translation in: *Radio Eng. & Electron. Phys. (USA)*]

Radiotekhnika, Kharkov (USSR) — (RTKHAJ)
Radiotekhnika Izdatel'stvo "Visha Shkola", Khar'kov Gosudarstvennom Universitete, 310003 Khar'kov, USSR

Radiotekhnika, Moskva (USSR) — (RATEAO)
Radiotekhnika Editorial address: ul Gor'kogo 7, Moskva K-9, USSR [English translation in: *Telecommun. & Radio Eng. Part 2 (USA)*]

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Rail International International Railway Congress Association, Rue de France 85, B-1070 Bruxelles, Belgium

Railw. Age (USA) — (RAAGA3)
Railway Age Formerly: *RSC Railw. Syst. Controls (USA)* Simmons-Boardman Publishing Corp., 508 Birch Street, Bristol, CT 06010, USA

Railw. Eng. (GB) — (RAENDD)
Railway Engineer Formerly: *Railw. Eng. J. (GB)* Mechanical Engineering Publications Ltd., 1 Birdcage Walk, London, SW1H 9JJ, England

Railw. Eng. (S. Africa) — (RANGAY)
Railway Engineering Title changed to: *Railw. South. Afr. (S.Africa)*

Railw. Eng. J. (GB) — (RWEJAG)
Railway Engineering Journal Title changed to: *Railw. Eng. (GB)*

Railw. Gaz. Int. (GB) — (RWGIAN)
Railway Gazette International IPC Transport Press Ltd., Dorset House, Stamford Street, London, SE1 9LU, England

Railw. South. Afr. (S. Africa)
Railways Southern Africa Formerly: *Railw. Eng. (S. Africa)* Thomson Publications SA (Pty.) Ltd., P.O. Box 8308, Johannesburg 2000, South Africa

RAIRO Inf./Comput. Sci. (France)
RAIRO Informatique/Computer Science Formerly: *Rev. Fr. Autom. Inf. Rech. Oper. (France)* Centrale des Revues Dunod/Gauthier-Villars, B.P. 119, 93104 Montreuil Cedex, France

Range (Netherlands) — (RNVPAM)
Range Philips' Telecommunicatie Industrie BV, Hilversum, Netherlands

RCA Broadcast News (USA) — (RCABB3)
RCA Broadcast News RCA Communications Systems Division, Princeton, NJ 08540, USA

RCA Eng. (USA) — (RCAEBC)
RCA Engineer RCA Research and Engineering, Cherry Hill, NJ, USA

RCA Rev. (USA) — (RCARAG)
RCA Review Radio Corporation of America, RCA Laboratories Division, Princeton, NJ 08540, USA

RCA Tech. Not. (USA) — (RCTNAV)
RCA Technical Notes Radio Corporation of America, Princeton, NJ 08540, USA

Rec. Electr. & Commun. Eng. Conversazione Tohoku Univ. (Japan) — (TDDDAI)
Record of Electrical and Communication Engineering Conversazione Tohoku University Tohoku University, Research Institute of Electrical Communication, Sendai, Japan

Rech. Aerosp. (France) — (REARAU)
Recherche Aerospatiale Office National d'Etudes et de Recherches Aerospatiales, 29 Avenue de la Division Leclerc, 92320-Chatillon, France

Rech. Spat. (France) — (RSPTA5)
Recherche Spatiale Centrale des Revues, Dunod/Gauthier-Villars, 26 Boulevard de l'Hopital, 75005 Paris, France

Rechentech. Datenverarb. (Germany) — (RTDVAQ)
Rechentechnik Datenverarbeitung Verlag die Wirtschaft Berlin, 1055 Berlin, Am Friedrichshain 22, Germany

Recherche (France) — (RCCHBV)
Recherche 4 Place de l'Odeon, Paris 6, France

Refractories (USA) — (REFRAL)
Refractories [Translation of: *Ogneupory (USSR)*] Consultants Bureau, 227 West 17th Street, New York, NY 10011, USA

Reg. Conf. Ser. Appl. Math. (USA) — (RCSMBO)
Regional Conference Series in Applied Mathematics Title changed to: *Reg. Conf. Ser. Math. (USA)*

Reg. Conf. Ser. Math. (USA)
Regional Conference Series in Mathematics Formerly: *Reg. Conf. Ser. Appl. Math. (USA)* American Mathematical Society, Box 6248, Providence, RI 02904, USA

Regelungstech. Prax. (Germany) — (RGPXAZ)
Regelungstechnische Praxis R. Oldenbourg, Rosenheimer Strasse 145, 8 Munchen 80, Germany

Regelungstechnik (Germany) — (RLSTA5)
Regelungstechnik R. Oldenbourg, Rosenheimer Strasse 145, 8 Munchen 80, Germany

Remote Sensing Environ. (USA) — (RSEEA7)
Remote Sensing of Environment American Elsevier Publishing Co., 52 Vanderbilt Avenue, New York, NY 10017, USA

Rend. Ist. Lomb. A (Italy) — (RLMAAK)
Istituto Lombardo. Rendiconti A. Scienze Accademia di Scienze e Lettere, Palozzo Brera, Via Brera 28, Milano, Italy

Rend. Riunione Annu. Assoc. Elettrotec. Ital. (Italy) — (RRAEAE)
Rendiconti della Riunione Annuale dell' Associazione Elettrotecnica Italiana Viale Picerno 17, Milano, Italy

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Reports of the Faculty of Engineering Shizuoka University Hamamatsu, Japan

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Reports of Himeji Institute of Technology Himeji, Japan

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Reports of the Institute of High Speed Mechanics, Tohoku University (A section of: Science Reports of the Research Institute, Tohoku University, Series B (Technology)) Sendai, Japan

Rep. Inst. Ind. Sci. Univ. Tokyo (Japan) — (RIISAX)
Report of the Institute of Industrial Science, University of Tokyo 22-1 Roppongi, 7-chome, Minato-ku, Tokyo 106, Japan

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Reports of the Institute of Physical and Chemical Research Rikagaku Kenkyushu, Wako-shi, Saitama 351, Japan

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Report of Ionosphere and Space Research in Japan Institute of Space and Aeronautical Science, University of Tokyo, Komaba, Meguro-ku, Tokyo 153, Japan

Rep. Math. Phys. (GB) — (RMHPBE)
Reports on Mathematical Physics Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England. Subscription address: ARS Polona-Ruch Foreign Trade Enterprise, Krakowskie Przedmiescie 7, 00-068 Warszawa

Rep. NRL Prog. (USA) — (RNRLAO)
Report of NRL Progress National Technical Information Service, U.S. Department of Commerce, Springfield, VA 22151, USA

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Reports on Progress in Physics Institute of Physics, 47 Belgrave Square, London, SW1X 8QX, England

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Reprographics Quarterly NRCd, Hatfield Polytechnic, Endymion Road Annexe, Hatfield, Herts. AL10 8AU, England

Res. Bull. Reg. Eng. Coll. Warangal (India) — (WREBAC)
Research Bulletin, Regional Engineering College, Warangal Warangal (AP) Kazipet (PO), India

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Research Disclosure Industrial Opportunities Ltd., 13/14 Homewell, Havant, Hants. PO9 1EF, England

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Research Reports of Automatic Control Laboratory, Faculty of Engineering, Nagoya University Chikusa, Nagoya, Japan

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Research Reports of the Faculty of Engineering, Meiji University Meiji, Japan

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Research Report of the Faculty of Engineering, Niigata University Nagaoka, Japan

Res. Rep. Nagaoka Tech. Coll. (Japan) — (NKTDAD)
Research Reports of the Nagaoka Technical College Nagaoka, Japan

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Revue Belge de Statistique, d'Informatique et de Recherche Operationnelle (Belgisch Tijdschrift voor Statistiek, Informatiek en Operationeel Onderzoek) SOGESCI Societe Belge pour l'Application des Methodes Scientifiques de Gestion, Rue du Neufchatel 66, 1060 Bruxelles, Belgium

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Revista Electrotecnica Asociacion Argentina de Electrotecnicos y del Comite Electrotecnico Argentina, Posadas 1659, Buenos Aires, Argentina

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Rev. Fac. Cienc. Univ. Lisboa B (Portugal) — (RFCLAT)
Revista de Faculdade de Ciencias, Universidade de Lisboa, B-Ciencias Fisico-Quimicas Rua da Escola Politecnica, Lisboa, Portugal

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Rev. FITCE (Belgium) — (RFITBG)
Revue F.I.T.C.E Federation des Ingenieurs des Telecommunications de la Communaute Europeenne, 42 rue des Palais, 1030 Bruxelles, Belgium

Rev. Fr. Autom. Inf. Rech. Oper. (France) — (RFAIAA)
Revue Francaise d'Automatique Informatique Recherche Operationnelle Title changed to: *RAIRO Inf./Comput. Sci. (France)*

Rev. Fr. Electr. (France) — (RFELA5)
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Revue Generale Nucleaire Societe Francaise d'Energie Nucleaire, 16 Rue Franklin, 75016 Paris, France

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Revue Generale de Thermique Thermique & Industrie, 2 rue de Tanneries, Paris 75013, France

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Revista de Geofisica Institute Nacional de Geofisica, Serrano 123, Madrid 6, Spain

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Reviews of Geophysics and Space Physics American Geophysical Union, 1909 K Street, N.W., Washington, DC 20006, USA

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Revue HF Societe Belge des Ingenieurs des Telecommunications et d'Electronique, 66 Chaussee de Ruisbrock, Bruxelles 1190, Belgium

Rev. Inf. & Autom. (Spain) — (RIAUD2)
Revista de Informatica y Automatica Asociacion Espanola de Informatica y Automatica, Facultad de Ciencias, Ciudad Universitaria, Madrid-3, Spain

Rev. Inf. Med. (France) — (RVIMB5)
Revue Informatique Medicale Expansion Scientifique Francaise, 15 rue Saint-Benoit, 75278 Paris Cedex 06, France

Rev. Int. Hautes Temp. & Refract. (France) — (RIHTAV)
Revue Internationale des Hautes Temperatres et des Refractaires Masson et Cie S.A., 120 Boulevard Saint-Germain, F-75280 Paris Cedex 06, France

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Revue Jeumont-Schneider 5 Place de Rio de Janeiro, Paris 8, France

Rev. Mex. Astron. & Astrofis. (Mexico) — (RMAAD4)
Revista Mexicana de Astronomica y Astrofisica Instituto de Astronomica, UNAM, Apartado Postal 70-264, Mexico 20, D.F, Mexico

Rev. Mex. Fis. (Mexico) — (RMXFAT)
Revista Mexicana de Fisica Sociedad Mexicana de Fisica, Apartado Postal No.20-364, Mexico 20, D.F, Mexico

Rev. Mod. Phys. (USA) — (RMPHAT)
Reviews of Modern Physics Published for the American Physical Society by the American Institute of Physics, 335 East 35th Street, New York, NY 10017, USA

Rev. Phys. Appl. (France) — (RPHAAN)
Revue de Physique Appliquee Societe Francaise de Physique. 87 bis, Avenue du General-Leclerc, 75014 Paris, France

Rev. Phys. Chem. Jpn. (Japan) — (RPCJAP)
Review of Physical Chemistry of Japan Physico-Chemical Society of Japan, College of Science, Kyoto University, Kyoto, Japan

Rev. Polytech. (Switzerland) — (RVPTBR)
Revue Polytechnique Chemin de la Caroline 22, 1213 Petit-Lancy, Geneve, Switzerland

Rev. Radio Res. Lab. (Japan) — (DKKIBA)
Review of the Radio Research Laboratories Ministry of Posts & Telecommunications, Nukui-Kitamachi, Konganei-shi, Tokyo 184, Japan

Rev. Roum. Phys. (Rumania) — (RRPQAN)
Revue Roumaine de Physique Academie Republicii Populare Romine, Boite Postale 134-135, Bucuresti, Rumania

Rev. Roum. Sci. Tech. Ser. Electrotech. & Energ. (Rumania) — (RTEEAE)
Revue Roumaine des Sciences Techniques. Serie Electrotechnique et Energetique Academia Republicii Populare Romine. Editorial address: Sos. Vitan 236, Bucuresti, Rumania

Rev. Roum. Sci. Tech. Ser. Mec. Appl. (Rumania) — (RTMAA8)
Revue Roumaine des Sciences Techniques. Serie de Mecanique Appliquee Str. Constantin Mille 15, Bucuresti, Rumania

Rev. Sci. Instrum. (USA) — (RSINAK)
Review of Scientific Instruments American Institute of Physics, 335 East 45th Street, New York, NY 10017, USA

Rev. Tech. Thomson-CSF (France) — (RTTCBG)
Revue Technique Thomson-CSF Masson et Cie S.A., 120 Boulevard Saint-Germain, F-75280 Paris Cedex 06, France

Rev. Telecomun. (Spain) — (RVTEAZ)
Revista de Telecomunicacion Consejo Tecnica de Telecomunicacion, Palacio de Comunicaciones, Apartado 936, Madrid, Spain

Rev. Telegr. Electron. (Argentina) — (RTELB2)
Revista Telegrafica Electronica Editorial address: Avenida Martin Garcia 653, Buenos Aires, Argentina

Reyrolle Parsons Rev. (GB) — (REYRAE)
Reyrolle Parsons Review Group Publicity & Public Relations Dept., Reyrole Parsons Ltd., P.O. Box 1NS, Cuthbert House, All Saints, Newcastle-upon-Tyne NE99 1NS, England

Rheol. Acta (Germany) — (RHEAAK)
Rheologica Acta Dr. Steinkopf Verlag, 6100 Darmstadt, Postfach 1008, Germany

Rhod. Eng. (Rhodesia) — (RHENAP)
Rhodesian Engineer Rhodesian Institution of Engineers, P.O. Box 660, Salisbury, Rhodesia

Ric. Autom. (Italy) — (RCAUBQ)
Ricerche di Automatica E.S.I.A., Edizioni Scientifiche Inglesi Americane srL., Via Sommacampagna 11-13, 00185 Roma, Italy

Ric. Spettrosc. (Italy) — (RSLAAU)
Ricerche Spettroscopiche Specola Vaticana, Citta dei Vaticano, Italy

Riv. Inf. (Italy) — (RIINDL)
Rivista di Informatica AICA - Associazione Italiana per il Calcolo Automatica, c/o FAST, P. le Rodolfo Morandi 2, 20121 Milano, Italy

Riv. Nuovo Cimento (Italy) — (RNUCAC)
Rivista del Nuovo Cimento Societa Italiana di Fisica, Via Degli Andalo 2, Bologna 40124, Italy

Robotron Tech. Commun. (Germany) — (RBTCBQ)
Robotron Technical Communications VEB Robotron-Elektronik Radeberg, 8142 Radeberg, Wilhelm-Pieck-Strasse 70, Germany

Rock Mech. (Austria) — (RMFMAS)
Rock Mechanics (Felsmechanik-Mecanique des Roches) Springer-Verlag, Molkerbastei 5, P.O. Box 367, A-1011 Wien, Austria

Roentgenpraxis (Germany) — (RGPXB2)
Rontgenpraxis S. Hirzel Verlag, 7 Stuttgart 1, Birkenwaldstrasse 44, Postfach 347, Germany

Roorkee Univ. Res. J. (India) — (RURJAX)
Roorkee University Research Journal Water Resources Development Training Center, University of Roorkee, Roorkee, U.P, India

Rozpr. Electrotech. (Poland) — (RZETAX)
Rozprawy Electrotechniczne Panstwowe Wydaioructwo Naukowe, Warszawa, Miodowa 10, Poland

Rozpr. Hydrotech. (Poland) — (RZHTAE)
Rozprawy Hydrotechniczne Instytut Budownictwa Wodnego, Polskiej Akademii Nauk w Gdansku, Gdansk, Poland

RSC Railw. Syst. Controls (USA) — (RSYCAX)
RSC Railway System Controls Title changed to: *Railw. Age (USA)*

Rundfunktech. Mitt. (Germany) — (RUMIA5)
Rundfunktechnische Mitteilungen Instut fur Rundfunktechnik, Mittelweg 113, Hamburg 13, Germany

Russ. Eng. J. (GB) — (RENJA3)
Russian Engineering Journal [Translation of: *Vestn. Mashinostr. (USSR)*] Production Engineering Research Association, Melton Mowbray, Leics, England

Russ. Metall. (GB)
Russian Metallurgy [Translation of: *Izv. Akad. Nauk. SSSR Met.*] Scientific Information Consultants Ltd., 661 Finchley Road, London, NW2 2HN, England

Rutgers J. Comput. & Law (USA) — (RJCLAN)
Rutgers Journal of Computers and the Law Rutgers Law School, 180 University Avenue, Newark, NJ 07102, USA

S. Afr. J. Antarct. Res. — (SAARCF)
South African Journal of Antarctic Research Editorial Address: P.O. Box 3718, Johannesburg, South Africa

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Sahko Electricity in Finland Sarkiniementie 3, 00210 Helsinki 21, Finland

Sb. Kratk. Soobshch. Fiz. AN SSSR Fiz. Inst. N.N. Lebedeva
Sbornik Kratkie Soobshcheniya po Fizike. AN SSSR. Fizicheskii Institut im. N.N. Lebedeva Editorial address: II733, Moskva B-333, Leninskii Prospekt 53, USSR [English translation in: *Sov. Phys.-Lebedev Inst. Rep. (USA)*]

Scand. J. Stat. Theory & Appl. (Sweden) — (SJSADG)
Scandinavian Journal of Statistics Theory and Applications Almqvist & Wiksell Periodical Co., P.O. Box 62, S-101 20 Stockholm 1, Sweden

Scanner (GB) — (SCANAF)
Scanner Journal of Decca Radar Ltd., Decca House, Albert Embankment, London, SE1, England

Schweiz. Tech. Z. (Switzerland) — (STZTA5)
Schweizerische Technische Zeitschrift Schweizerischer Technischer Verband, Weinbergstrasse 41, 8023 Zurich, Switzerland

Sci-Tech News (USA) — (STNWAM)
Sci-Tech News Science and Technology Orientated Division, Special Libraries Association, 235 Park Avenue South, New York, NY 10003, USA

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Science and Culture Indian Science News Association, 92 Acharya Prafullachandra Road, Calcutta 9, India

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Science and Engineering Reports of Saitama University, Series C Urawa-City, Saitama-ken, Japan

Sci. & Eng. Rev. Doshisha Univ. (Japan) — (DDRKAZ)
Science and Engineering Review of Doshisha University Science and Engineering Research Institute of Doshisha University, Kyoto, Japan

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Science Dimension National Research Council of Canada, Ottawa K1A OR6, Canada

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Science of Light Published by the Institute for Optical Research, Tokyo University of Education (in collaboration with the Spectroscopical Society of Japan). 400, Hyakunintyo-4, Sinyuku, Tokyo 160, Japan

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Scientific Proceedings of the Royal Dublin Society, Series A Ball's Bridge, Dublin, Ireland

Sci. Prog. (GB) — (SCPRAY)
Science Progress Blackwell Scientific Publications, Oxford, England

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Science Reports of Kanazawa University Faculty of Science, Kanazawa University, Kanazawa, Japan

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Science Reports of the Research Institutes, Tohoku University. Series A (Physics, Chemistry, and Metallurgy) Sendai, Japan

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Science Reports of the Tohoku University, First Series Faculty of Science, Tohoku University, Sendai, Japan

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Science Reports of the Yokohama National University. Section I (Mathematics, Physics and Chemistry) Faculty of Liberal Arts and Education, Yokohama National University, Tokiwadai 156, Hodogaya-ku, Yokohama 240, Japan

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Scienca Revuo Prof. B. Popovic, Ognjena Price 80, Beograd, Yugoslavia

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Scientia Sinica Science Press, Peking. Subscription address: Guozi Shudian, P.O. Box 399, Peking, China

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Sdelovaci Technika SNTL, 11302 Praha 1, Spalena ul. 51, Czechoslovakia

Sea Technol. (USA) — (SEATAD)
Sea Technology Compass Publications Inc., Suite 1000, 1117 North 19th Street, Arlington, VA 22209, USA

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Seismological Series of the Earth Physics Branch Department of Energy, Mines and Resources, Ottawa, Canada

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Seminars in Nuclear Medicine Henry M. Stratton, Inc., Publishers, 757 Third Avenue, New York, NY 10017, USA

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SERT Journal Society of Electronic and Radio Technicians, 8 Charing Cross Road, London. WC2H OHP, England

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Shimadzu Review Shimadzu Seisakusho Ltd., Kawaramachi Nijo, Nakagyo-ku, Kyoto, Japan

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Showa Wire and Cable Review Showa Electric Wire and Cable Co. Ltd., Tokyo Toranomon Building, No. 10, Shiba-Toranomon, Minato-ku, Tokyo, Japan

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Tecnica Associacao dos Estudantes do Instituto Superior Tecnico, Av. Rovisco Pais, Lisboa-1, Portugal

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Tecnologie Elettriche Centro Commerciale Milano San Felice, 20090 Segrate (Milano), Italy

Tectonophysics (Netherlands) — (TCTOAM)
Tectonophysics Elsevier Scientific Publishing Co., P.O. Box 211, Amsterdam, Netherlands

Tegnikon (S. Africa) — (TEGNA2)
Tegnikon Die Suid-Afrikaanse Akademie wir Wetenskap en Kuns, Engelenburghuis, Hamiltonstraat, Postbus 538, Pretoria, S. Africa

Tehnika (Yugoslavia) — (TEHBA5)
Tehnika Beograd, Kneza Milosa 7/11,, Yugoslavia

Tek. Tidskr. (Sweden) — (TTIDAJ)
Teknisk Tidskrift Ingenjorsforlaget AB, Box 5703, 114 87 Stockholm, Sweden

Tek. Ukebl. (Norway) — (TUGEAJ)
Teknisk Ukeblad Norske Ingeniorforening og den Polytekniske Forening, Kronprinsensgate 17, Oslo 1, Norway

Tekh. Kibern. (USSR) — (TEKIB8)
Tekhnicheskaya Kibernetika Akademiya Nauk SSSR, Leninskii Prosp. 14, Moskva, USSR [English translation in: *Eng. Cybern. (USA)*]

Tekh. Kino & Telev. (USSR) — (TKTEAE)
Tekhnika Kino i Televideniya Leningradskii Prospekt 47, Moskva A-167, USSR

Tekh. Misul (Bulgaria) — (TKMSBM)
Tekhnicheska Misul Bulgarska Akademija na Naukite, Kv. Geo Milev, Ul. 36, BAN, IV Blok, Sofiya, Bulgaria

Tekscope (USA) — (TEKSC5)
Tekscope Tektronix Inc., P.O. Box 500, Beaverton, OR 97005, USA

Tele (Swed. Ed.) (Sweden) — (TELEBZ)
Tele (Swedish Edition) Marbackagatan 11, 123 86 Farsta, Sweden

Telecomm. & Radio Eng. Part 1 (USA) — (TRETBY)
Telecommunications and Radio Engineering Part 1: Telecommunications [Translation of: *Elektrosvyaz (USSR)*] Scripta Publishing Corp., 1511 K Street N.W., Washington, DC 20005, USA

Telecommun. & Radio Eng. Part 2 (USA) — (TRERBS)
Telecommunications and Radio Engineering, Part 2: Radio Engineering [Translation of: *Radiotekhnika, Moskva (USSR)*] Scripta Publishing Corp., 1511 K Street N.W., Washington, DC 20005, USA

Telecommun. J. (Engl. Ed.) (Switzerland) — (TCJOA6)
Telecommunication Journal (English Edition) International Telecommunications Union, Place des Nations, 1211 Geneve 20, Switzerland

Telecommun. J. Aust. (Australia) — (TCJAAW)
Telecommunication Journal of Australia Telecommunication Society of Australia, Box 4050, GPO Melbourne, 3001, Victoria, Australia

Telecommunications (India) — (TCMSAX)
Telecommunications Telecommunication Training Centre Building, Ridge Road, Jabalpur 6 (MP), India

Telecommunications (USA) — (TLCOAY)
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Telecomunicazioni Societa Italiana Telecomunicazioni Siemens s.p.a., 20149 Milano, Piazzale Zavattari 12, Italy

Telef. Rep. (Germany) — (TLFRBP)
Telefon Report Siemens AG, 8000 Munchen 25, Machtlfinger Strasse 10, Postfach 700079, Germany

Telegr. & Telef. (Netherlands) — (TETEA6)
Telegraaf en Telefoon Vereniging van Hoger Personeel der PTT. Perestraat 187, Den Haag, Netherlands

Telekomunikacije (Yugoslavia) — (TLKMAY)
Telekomunikacije Zajednica JPTT, Beograd, Palmotice va 2, Yugoslavia

Telektronikk (Norway) — (TKTKAW)
Telektronikk Telegrafstyrets Bibliotek, Kongensgt. 21, Oslo, Norway

Teleph. Eng. & Manage. (USA) — (TPEMAW)
Telephone Engineer and Management Harcourt Brace Jovanovich Publications, 402 West Liberty Drive, Wheaton, IL 60187, USA

Telesis (Canada) — (NOETAE)
Telesis Bell-Northern Research, P.O. Box 3511, Station 'C', Ottawa, Ontario K1Y 4H7, Canada

Teleteknik (Engl. Ed.) (Denmark) — (TLKKAS)
Teleteknik (English Edition) 16 Kannikegade, DK 8000 Aarhus C, Denmark

Telettra (Italy) — (TELTBC)
Telettra Laboratori di Telefonia Elettronica e Radio, Via Trento 30, Vimercante, Milano, Italy

Television (GB) — (TVSCAC)
Television IPC Magazines Ltd., Fleetway House, Farringdon Street, London, EC4 4AD, England

Television (J. R. Telev. Soc.) (GB) — (TELED3)
Television (Journal of the Royal Television Society) Formerly: *R. Telev. Soc. J. (GB)* Tavistock House East, Tavistock Square, London, WC1H 9HR, England

Tellus (Sweden) — (TELLAL)
Tellus Svenska Geofysiska Foreningen, Arrhenius laboratoriet, Fack, S-104 05 Stockholm, Sweden

Telonde (France) — (TLNDAM)
Telonde Thomson-CSF, BP 2000, 78-Versailles, France

Teor. & Eksp. Khim. (USSR) — (TEKHA4)
Teoreticheskaya i Eksperimental'naya Khimiya Mezhdunarodnaya Kniga, Moskva, USSR [English translation in: *Theor. & Exp. Chem. (USA)*]

Teor. & Mat. Fiz. (USSR) — (TMFZAL)
Teoreticheskaya i Matematicheskaya Fizika Editorial address: Department of Theoretical Physics, Institute of Mathematics, Academy of Sciences of the USSR, Moscow, USSR [English translation in: *Theor. & Math. Phys. (USA)*]

Teor. Veroyatn. & Primen. (USSR) — (TVPRA8)
Teoriya Veroyatnostei i ee Primeneniya Mezhdunarodnaya Kniga, Moskva, USSR [English translation in: *Theory Probab. & Appl. (USA)*]

Teploenergetika (USSR) — (TPLOA5)
Teploenergetika Krasnokasarmennaya ul., d. 14, Moskva, E-250, USSR [English translation in: *Therm. Eng. (GB)*]

Teplofiz. & Teplotekh. (USSR) — (TFTTAO)
Teplofizika i Teplotekhnika Izdatel'stvo 'Naukova Dumka', Kiev, Repina 3, USSR

Teplofiz. Vys. Temp. (USSR) — (TVYTAP)
Teplofizika Vysokikh Temperatur Akademiya Nauk SSSR. 17 Korpus 2, Moskva E-250, USSR [English translation in: *High Temp. (USA)*]

TESLA Electron. (Czechoslovakia) — (TESEB2)
TESLA Electronics TESLA Electronics and Telecommunications, Karlovo nam. 7, Praha 2, Czechoslovakia

Texas J. Sci. (USA) — (TJSCAU)
Texas Journal of Science The Talley Press, San Angelo, Texas, USA

Texture (GB) — (TXTRB9)
Texture Gordon and Breach Science Publishers Ltd., 41 and 42 William IV Street, London, WC2, England

Theor. & Exp. Chem. (USA) — (TEXCAK)
Theoretical and Experimental Chemistry [Translation of: *Teor. & Eksp. Khim. (USSR)*] Consultants Bureau, 227 West 17th Street, New York, NY 10011, USA

Theor. & Math. Phys. (USA) — (TMPHAH)
Theoretical and Mathematical Physics [Translation of: *Teor. & Mat. Fiz. (USSR)*] Consultants Bureau, 227 West 17th Street, New York, NY 10011, USA

Theor. Chim. Acta (Germany) — (TCHAAM)
Theoretica Chimica Acta Springer-Verlag, D-1000 Berlin 33, Heidelberger Platz 3, Germany

Theor. Comput. Sci. (Netherlands) — (TCSCDI)
Theoretical Computer Science North-Holland Publishing Co., P.O. Box 211, Amsterdam, Netherlands

Theory Probab. & Appl. (USA) — (TPRBAU)
Theory of Probability and its Applications [Translation of: *Teor. Veroyatn. & Primen. (USSR)*] Society for Industrial and Applied Mathematics, 33 South 17th Street, Philadelphia, PA 19103, USA

Therm. Eng. (GB) — (THENAD)
Thermal Engineering [Translation of: *Teploenergetika (USSR)*] Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 OBW, England

Thin Solid Films (Switzerland) — (THSFAP)
Thin Solid Films Elsevier Sequoia, P.O. Box 851, 1001 Lausanne 1, Switzerland

Tidskr. Dok. (Sweden) — (TDDKA5)
Tidskrift for Dokumentation Tekniska Litteratursallskapet, Box 5073, 161 11 Bromma 11, Sweden

Tijdschr. Ned. Elektron.- & Radiogenoot. (Netherlands) — (NERTA9)
Tijdschrift van het Nederlands Elektronica- en Radiogenootschap Postbus 39, Leidschendam, Netherlands

TIMS/ORSA Bull. (USA) — (TIMBDR)
TIMS/ORSA Bulletin Title changed to: *ORSA/TIMS Bull. (USA)*

TNO-Proj. (Netherlands) — (TNPJAU)
TNO-Project Juliana van Stolberglaan 148, Postbus 297, 's-Gravenhage, Netherlands

Toim. Eesti NSV Tead. Akad. Fuus. Mat. (USSR) — (ETFMB3)
Eesti NSV Teaduste Akadeemia. Toimetised. Fuusika, Matemaatika Sakala 3, Tallinn, Estonia, USSR

Tokyo Astron. Bull. (Japan) — (TKABAC)
Tokyo Astronomical Bulletin Tokyo Astronomical Observatory, University of Tokyo, Mitaka, Tokyo, Japan

Tokyo Astron. Obs. Rep. (Japan) — (TAORAQ)
Tokyo Astronomical Observatory Report University of Tokyo, Mitaka, Tokyo, Japan

Tokyo Astron. Obs. Time & Latitude Bull. (Japan) — (TATLBY)
Tokyo Astronomical Observatory Time and Latitude Bulletins Mitaka, Tokyo, Japan

Tool. & Prod. (USA) — (TOPRAR)
Tooling and Production Huebner Publications, 5821 Harper Road, Solon, OH 44139, USA

Toshiba Rev. (Int. Ed.) (Japan) — (TRIEA8)
Toshiba Review (International Edition) Tokyo Shibaura Electric Co., 1, Komukai Toshiba-Cho, Kawasaki, Japan

Toute Electron. (France) — (TOELAM)
Toute l'Electronique Societe des Editions Radio, 9 rue Jacob, 75006 Paris, France

Traffic Eng. & Control (GB) — (TENCA4)
Traffic Engineering & Control Printerhall Ltd., 29 Newman Street, London, W1P 3PE, England

Trans. & J. Br. Ceram. Soc. (GB) — (TJBCAD)
Transactions and Journal of the British Ceramic Society Shelton House, Stoke-on-Trent, England

Trans. Am. Nucl. Soc. (USA) — (TANSAO)
Transactions of the American Nuclear Society 244 East Ogden Avenue, Hinsdale, IL 60521, USA

Trans. ASME Ser. A (USA) — (JEPOA8)
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Trans. ASME Ser. B (USA) — (JEFIA8)
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Trans. ASME Ser. C (USA) — (JHTRAO)
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Trans. ASME Ser. E (USA) — (JAMCAV)
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Trans. ASME Ser. F (USA) — (JLUTAT)
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Trans. ASME Ser. G (USA) — (JDSMAA)
Transactions of the ASME. Series G, Journal of Dynamic Systems, Measurement and Control American Society of Mechanical Engineers, 345 East 47th Street, New York, NY 10017, USA

Trans. ASME Ser. H (USA) — (JEMTA8)
Transactions of the ASME. Series H, Journal of Engineering Materials and Technology American Society of Mechanical Engineers, 345 East 47th Street, New York, NY 10017, USA

Trans. ASME Ser. I (USA) — (JFEGA4)
Transactions of the ASME. Series I, Journal of Fluids Engineering American Society of Mechanical Engineers, 345 East 47th Street, New York, NY 10017, USA

Trans. ASME Ser. J (USA) — (JPVTAS)
Transactions of the ASME. Series J, Journal of Pressure Vessel Technology American Society of Mechanical Engineers, 345 East 47th Street, New York, NY 10017, USA

Trans. ASME Ser. K (USA)
Transactions of the ASME, Series K, Journal of Biomechanical Engineering American Society of Mechanical Engineers, 345 East 47th Street, New York, NY 10017, USA

Trans. Bose Res. Inst. (India) — (TBICAQ)
Transactions of the Bose Research Institute 93/1 Acharya Prafulla Chandra Road, Calcutta 9, India

Trans. Electr. Supply Auth. Eng. Inst. N.Z. (New Zealand)
Transactions of the Electric Supply Authority Engineers' Institute of New Zealand Inc P.O. Box 3047, Wellington, New Zealand

Trans. Inst. Chem. Eng. (GB) — (TICEAH)
Transactions of the Institution of Chemical Engineers 16 Belgrave Square, London, SW1X 8PT, England

Trans. Inst. Electr. Eng. Jpn. (Japan) — (TIEJA8)
Transactions of the Institute of Electrical Engineers of Japan Denshi Tsushin Gakkai, Yuraku-cho, Chiyoda-ku, Tokyo, Japan [English translation in: *Electr. Eng. Jpn. (USA)*]

Trans. Inst. Electron. & Commun. Eng. Jpn. Part A (Japan) — (DTGABT)
Transactions of the Institute of Electronics and Communication Engineers of Japan, Part A Denshi Tsushin Gakkai, Kikai-Shinko-kaikan Bldg., Shiba Park 21-1-5, Minatoku, Tokyo, Japan. English translation of selected articles appear in Electron. & Commun. Jap. (USA) and Syst. Comput. Control (USA)

Trans. Inst. Electron. & Commun. Eng. Jpn. Part B (Japan) — (DTGBBW)
Transactions of the Institute of Electronics and Communication Engineers of Japan, Part B Denshi Tsushin Gakkai, Kikai-Shinko-kaikan Bldg., Shiba Park 21-1-5, Minatoku, Tokyo, Japan. English translation of selected articles appear in Electron. & Commun. Jap. (USA) and Syst. Comput. Control (USA)

Trans. Inst. Electron. & Commun. Eng. Jpn. Part C (Japan) — (DTGCAY)
Transactions of the Institute of Electronics and Communication Engineers of Japan, Part C Denshi Tsushin Gakkai, Kikai-Shinko-kaikan Bldg., Shiba Park 21-1-5, Minatoku, Tokyo, Japan. English translation of selected articles appear in Electron. & Commun. Jap. (USA) and Syst. Comput. Control (USA)

Trans. Inst. Electron. & Commun. Eng. Jpn. Part D (Japan) — (DTGDA3)
Transactions of the Institute of Electronics and Communication Engineers of Japan, Part D Denshi Tsushin Gakkai, Kikai-Shinko-kaikan Bldg., Shiba Park 21-1-5, Minatoku, Tokyo, Japan. English translation of selected articles appear in Electron. & Commun. Jap. (USA) and Syst. Comput. Control (USA)

Trans. Inst. Met. Finish. (GB) — (TIMFA2)
Transactions of the Institute of Metal Finishing 178 Goswell Road, London, EC1, England

Trans. Int. Assoc. Math. & Comput. Simulation (Belgium) — (TIASDI)
Transactions of the International Association for Mathematics and Computers in Simulation Formerly: *Ann. Assoc. Int. Calcul. Analogique (Belgium)* University of Ghent, Coupure Links 533, B-9000 Ghent, Belgium

Trans. Jpn. Inst. Met. (Japan) — (TJIMAA)
Transactions of the Japan Institute of Metals Japan Institute of Metals, Aoba Araniaki, Sendai 980, Japan

Trans. Natl. Res. Inst. Met. (Japan) — (TNRMAF)
Transactions of National Research Institute for Metals 3-12, 2-chome, Nakameguro, Meguro-ku, Tokyo, Japan

Trans. North East Coast Inst. Eng. Shipbuild. (GB) — (TNEEAS)
Transactions of the North East Coast Institution of Engineers and Shipbuilders Bolbec Hall, Westgate Road, Newcastle-upon-Tyne, NE1 1TB, England

Trans. R. Soc. Can. (Canada) — (TRSCAI)
Transactions of the Royal Society of Canada (Memoires de la Societe Royale du Canada) National Library, 395 Wellington Street, Ottawa 4, Canada. University of Toronto Press, Toronto 5, Ontario

Trans. Rhod. Sci. Assoc. (Rhodesia) — (TRSADF)
Transactions of the Rhodesia Scientific Association M.O. Collins (Pvt) Ltd., P.O. Box 3094, Salisbury, Rhodesia

Trans. S. Afr. Inst. Electr. Eng. (S. Africa) — (TSAEA9)
Transactions of the South African Institute of Electrical Engineers Kelvin Publications, Loveday Street, P.O. Box 2988, 2000 Johannesburg, South Africa

Trans. SAEST (India) — (TSETA6)
Transactions of the Society for Advancement of Electrochemical Science and Technology Cecrinagar, Karaikudi-3, Tamil Nadu, India

Trans. Soc. Instrum. & Control Eng. (Japan) — (TSICA9)
Transactions of the Society of Instrument and Control Engineers Kotohira Annex, 39 Kotohira-cho Shiba, Minato-ku, Tokyo 105, Japan

Trans. Soc. Rheol. (USA) — (TSRHAZ)
Transactions of the Society of Rheology Interscience Publishers, 605 Third Avenue, New York, NY 10016, USA

Trans. Tech. Sect. Can. Pulp & Pap. Assoc. (Canada) — (TSCPDL)
Transactions of the Technical Section, Canadian Pulp and Paper Association 2300 Sun Life Building, Montreal, Quebec H3B 2X9, Canada

Transelektro News (Hungary) — (TREKB7)
Transelektro News Hungarian Trading Co. for Electrical Equipment and Supplies, Budapest 62, PO Box 337, Hungary
Transm. & Distrib. (USA) — (TRDIAT)
Transmission and Distribution Cleworth Publishing Co., One River Road, Cos Cob, CT 16807, USA
Transp. Plann. & Technol. (GB) — (TPLTAK)
Transport Planning and Technology Gordon and Breach Science Publications Ltd. 41 and 42 William IV Street, London, WC2, England
Transp. Res. (GB) — (TRREBK)
Transportution Research Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 OBW, England
Transp. Sci. (USA) — (TRSCBJ)
Transportation Science Operations Research Society of America, 428 East Preston Street, Baltimore, MD 21202, USA
Transp. Theory & Stat. Phys. (USA) — (TTSPB4)
Transport Theory and Statistical Physics Marcel Dekker Inc., 270 Madison Avenue, New York, NY 10016, USA
Tribology Int. (GB) — (TRIBBY)
Tribology International IPC Science and Technology Press Ltd., IPC House, 32 High Street, Guildford, Surrey GU1 3EW, England
Tud. & Musz. Tajek. (Hungary) — (TMTAAG)
Tudomanyos es Muszaki Tajekoztatas Orszagos Muszaki Konyvtar es Dokumentacios Kozpont, Budapest VIII, Muzeum utca 17, Hungary

Ukr. Fiz. Zh. (USSR) — (UFIZAW)
Ukrayins'kyi Fizychnyi Zhurnal 'Naukova Dumka', Kiev, Repina 3, USSR
Ultramicroscopy (Netherlands) — (ULTRD6)
Ultramicroscopy North-Holland Publishing Co., P.O. Box 211, Amsterdam, Netherlands
Ultrasonics (GB) — (ULTRA3)
Ultrasonics IPC Science and Technology Press Ltd., IPC House, 32 High Street, Guildford, Surrey GU1 3EW, England
Ultrasound Med. & Biol. (GB) — (USMBA3)
Ultrasound in Medicine & Biology Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 OBW, England
Umsch. Wiss. & Tech. (Germany) — (UWTCAZ)
Umschau in Wissenschaft und Technik Umschau Verlag, Stuttgarter Strasse 18-24, 6 Frankfurt am Main, Germany
Und-oder-Nor & Steuerungstech. (Germany) — (UONSDY)
Und-oder-Nor & Steuerungstechnik Distribution-Verlag GmbH, 65 Mainz, Lessingstrasse 12-14, Germany
Underwater J. & Inf. Bull. (GB) — (UWJNAI)
Underwater Journal and Information Bulletin IPC Science and Technology Press Ltd., IPC House, 32 High Street, Guildford, Surrey, England
Unesco Bull. Libr. (France) — (UNBLAB)
Unesco Bulletin for Libraries United Nations Educational, Scientific and Cultural Organization, Place de Fontenoy, 75 Paris-7, France
Union Burma J. Sci. & Technol. — (UBJSAM)
Union of Burma Journal of Science and Technology Union of Burma Applied Resrarch Institute, Yankin P.O., Rangoon, Burma
Univ. Tripoli Bull. Fac. Eng. (Libya)
University of Tripoli Bulletin of the Faculty of Engineering P.O. Box 1098, Tripoli, Libya
Usp. Fiz. Nauk (USSR) — (UFNAAG)
Uspekhi Fizicheskii Nauk Agent: Mezhdunarodnaya Kniga, Moskva, USSR [English translation in: *Sov. Phys.-Usp. (USA)*]
USSR Comput. Math. & Math. Phys. (GB) — (CMMPA9)
U.S.S.R. Computational Mathematics and Mathematical Physics [Translation of: *Zh. Vychisl. Mat. & Mat. Fiz. (USSR)*] Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 OBW, England
UV Spectrom. Group Bull. (GB) — (UVSGAZ)
UV Spectrometry Group Bulletin c/o Pye Unicam Ltd., York Street, Cambridge, CB1 2PX, England

Vac News (India) — (VACNBB)
Vac News Indian Vacuum Society. K.N.Jha, Technical Physics Division, Bhabha Atomic Research Centre, Bombay-4000 085, India
Vacuum (GB) — (VACUAV)
Vacuum Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 OBW, England
VDE Fachber. (Germany) — (VDEFAH)
VDE Fachberichte Verband Deutscher Elektrotechniker. Bismarckstrasse 33, 1000 Berlin 12, Germany
VDI Z. (Germany) — (VDIZAT)
VDI Zeitschrift Verlag des Vereins Deutscher Ingenieure, Graf-Recke Strasse 84, 4 Dusseldorf 1, Germany
Veh. Syst. Dyn. (Netherlands) — (VSDYA4)
Vehicle System Dynamics Swets & Zeitlinger N.V., 347B Heereweg, Lisse, Netherlands
Verh. Dtsch. Phys. Ges. (Germany) — (VDPEAZ)
Verhandlungen der Deutschen Physikalischen Gesellschaft 645 Hanau, Heraeusstrasse 9, Germany
Verh. K. Acad. Wet. Lett. & Schone Kunsten Belg. (Belgium) — (VVABA9)
Verhandelingen van de Koninklijke Academie voor Wetenschappen, Letteren en Schone Kunsten van Belgie Paleis der Academien, Hertogsstraat 1, Bruxelles, Belgium
Verkstaederna (Sweden) — (VSTDAL)
Verkstaderna Storgatan 5, Box 5510, 114 85 Stockholm 5, Sweden
Vermess.-Inf. (Germany) — (VIJEA6)
Vermessungs-Informationen (Surveying News) VEB Carl Zeiss JENA, DDR-69 Jena (Thur.), Carl Zeiss Strasse 1, Germany
Vertica (GB) — (VERTDW)
Vertica Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England
Vestn. Leningr. Univ. Fiz. & Khim. (USSR) — (VLUFBI)
Vestnik Leningradskogo Universiteta– Fizika i Khimiya Leningrad University Press, Universitetskaya Nab.7/9, Leningrad B-164, USSR
Vestn. Leningr. Univ. Ser. Mat. Mekh. & Astron. (USSR) — (VLUAA2)
Vestnik Leningradskogo Universiteta-Seriya; Matematika, Mekhanika i Astronomiya Universitetskaya Nab.7/9, Leningrad B-164, USSR
Vestn. Mashinostr. (USSR) — (VMASAV)
Vestnik Mashinostroeniya Mashinostroenie, Prospekt Mira, d. 106, Moskva, GSP-110, USSR [English translation in: *Russ. Eng. J. (GB)*]
Vestn. Mosk. Univ. Fiz. Astron. (USSR) — (VMUFAO)
Vestnik Moskovskogo Universiteta - Fizika, Astronomiya Moskva K-9, Ulitsa Gertsena 5/7, USSR [English translation in: *Moscow Univ. Phys. Bull. (USA)*]
Vestn. Mosk. Univ. Mat. Mekh. (USSR) — (VMMMA5)
Vestnik Moskovskogo Universiteta. Matematika, Mekhanika Izdatel'stvo Moskovskogo Universiteta, Moskva, K-9, Ul. Gertsena Dom 5/7, USSR
Vestsi Akad. Navuk BSSR Ser. Fiz. Energ. Navuk — (VABFAF)
Vestsi Akademii Navuk BSSR. Serya Fizika Energetychnykh Navuk 'Navuk i Tekhnika', Leninski Prospekt 68, Minsk, USSR
Vide (France) — (VIDEAA)
Le Vide Societe Francais des Ingenieurs et Techniciens du Vide, 19 rue du Renard, 75 Paris 4, France
Vignana Bharathi (India) — (VBHAD6)
Vignana Bharathi Department of Publications & Extension, Bangalore University, Bangalore 560056, India
Villamossag (Hungary) — (VLMSAG)
Villamossag Lapkiado Vallalat, Lenin Korut 9-11, Budapest VII, Hungary
Visible Lang. (USA) — (VSLGAO)
Visible Language c/o Cleveland Museum of Art, Cleveland, OH 44106, USA
Vision Res. (GB) — (VISRAM)
Vision Research Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 OBW, England
Vistas Astron. (GB) — (VASTA6)
Vistas in Astronomy Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 0BW, England
Vrashchenie & Prilivnye Deform. Zemli (USSR) — (VPDZAK)
Vrashchenie i Prilivnye Deformatsii Zemli Izdatel'stvo 'Naukova Dumka', Kiev, Repina 3, USSR
Vychisl. Metody & Program. (USSR) — (VYMPAU)
Vychislitel'nye Metody i Programmirovanie Izdatel'stvo Moskovskogo Universiteta, Moskva, K-9, Ul. Gertsena d. 5/7, USSR
Vysokomol. Soedin. Ser. A (USSR) — (VYSAAF)
Vysokomolekulyarnye Soedineniya, Seriya A Akademiya Nauk USSR, Leninskii Prosp., Moskva, USSR [English translation in: *Polym. Sci. USSR (GB)*]

Waerme (Germany) — (WARMAP)
Warme Adelheidstrasse 28, 8 Munchen 40, Germany
Waerme- & Stoffuebertrag. (Germany) — (WASBBW)
Warme- und Stoffubertragung Springer-Verlag, 1 Berlin 33, Heidelberger Platz 3, Germany
Water Resour. Res. (USA) — (WRERAQ)
Water Resources Research American Geophysical Union, 1909 K Street, N.W., Washington, DC 20006, USA
Water, Air & Soil Pollut. (Netherlands) — (WAPLAC)
Water, Air and Soil Pollution D. Reidel Publishing Co., P.O. Box 17, Dordrecht, Netherlands
Wave Electron. (Netherlands) — (WAELDS)
Wave Electronics Elsevier Scientific Publishing Co., P.O. Box 211, Amsterdam, Netherlands
Wear (Switzerland) — (WEARCJ)
Wear Elsevier Sequoia S.A., P.O. Box 851, 1001 Lausanne 1, Switzerland
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Weather James Glaisher House, Grenville Place, Bracknell, Berks RG12 1BX, England
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Weld. Des. & Fabr. (USA) — (WDEFAS)
Welding Design and Fabrication Industrial Publishing Co., 614 Superior Avenue, W., Cleveland, OH 44113, USA
Weld. Prod. (GB) — (WEPRAO)
Welding Production [Translation of: *Svar. Proizvod. (USSR)*] Welding Institute, Abington Hall, Abington, Cambridge CB1 6AL, England
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Western Electric Eng. (USA) — (WELEAX)
Western Electric Engineer Western Electric Co., 195 Broadway, New York, NY 10007, USA
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Wiadomsci Elektrotechniczne Wydawnictwa Czasopism Technicznych N.O.T., 00-001 Warszawa 1, Poland
Wiad. Telekomun. (Poland) — (WDTEAW)
Wiadomosci Telekomunikacyjne Editorial address: Warszawa, Kazimierzowska 52, Poland
Wire World Int. (Germany) — (WWINAZ)
Wire World International Jahnstrasse 36, D-4 Dusseldorf, Germany
Wireless World (GB) — (WIWOAA)
Wireless World IPC Electrical-Electronic Press Ltd., Dorset House, Stamford Street, London, SE1 9LU, England
Wiss. Ber. AEG-Telefunken (Germany) — (WBATB3)
Wissenschaftliche Berichte AEG-Telefunken Elitera Verlag, 1 Berlin 33 (Grunewald), Fritz-Wildungstrasse 22, Germany
Wiss. Z. Friedrich-Schiller-Univ. Jena, Math. Naturwiss. Reihe (Germany) — (WZFMA4)
Wissenschaftliche Zeitschrift der Friedrich-Schiller-Universitaet Jena, Mathematisch-Naturwissenschaftliche Reihe Friedrich-Schiller Universitaet, Jena, Am Anger 24, Germany
Wiss. Z. Karl-Marx-Univ. Leipzig Math.-Naturwiss. Reihe (Germany) — (WZMNA8)
Wissenschaftliche Zeitschrift Karl-Marx-Universitat Leipzig. Mathematisch-Naturwissenschaftliche Reihe 701 Leipzig, Ritterstrasse 14, Germany
Wiss. Z. Tech. Hochsch. Ilmenau (Germany) — (WZTHAP)
Wissenschaftliche Zeitschrift der Technischen Hochschule Ilmenau Strasse der Jungen Techniker 21, Ilmenau, Germany
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Wissenschaftliche Zeitschrift der Technischen Universitat Dresden Mommsenstrasse 13, Dresden A227, Germany

Wiss. Z. Univ. Rostock Ges.-Sprachwiss. Reihe (Germany) — (WZRGAC)
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Work Study & Manage. Serv. (GB) — (WSMAAM)
Work Study & Management Services Title changed to: *Manage. Serv. (GB)*

Yad. Fiz. (USSR) — (IDFZA7)
Yadernaya Fizika Ulitsa Vavilova 44, Korp 2, Moskva V-333, USSR [English translation in: *Sov. J. Nucl. Phys. (USA)*]

Yogyo-Kyokai-Shi (Japan) — (YGKSA4)
Yogyo-Kyokai-Shi (Journal of the Ceramic Society of Japan) 22-17, 2-chome, Hyakunin-cho, Shinjuku-ku, Tokyo 160, Japan

Z. Allg. Wissenschaftstheor. (Germany) — (ZAWTA2)
Zeitschrift fur Allgemeine Wissenschaftstheorie (Journal for General Philosophy of Science) Franz Steiner Verlag, 6200 Wiesbaden, Bahnhofstrasse 39, Postfach 743, Germany

Z. Angew. Math. & Mech. (Germany) — (ZAMMAX)
Zeitschrift fur angewandte Mathematik und Mechanik Akademie-Verlag GmbH, 108 Berlin, Leipziger Strasse 3-4, Germany

Z. Angew. Math. & Phys. (Switzerland) — (ZAMPA8)
Zeitschrift fur angewandte Mathematik und Physik Verlag Birkhauser, Postfach 4000, Basel 24, Switzerland

Z. Eisenbahnwes. & Verkehrstech. (Glasers Ann.) (Germany) — (ZEVGAK)
Zeitschrift fur Eisenbahnwesen und Verkehrstechnik (Glasers Annalen) Georg Siemens Verlagsbuchlandlung, 1 Berlin 30, Lutzwstrasse 105/106, Germany

Z. Elektr. Inf.- & Energietech. (Germany) — (ZEIZAC)
Zeitschrift fur Elektrische Informatins- und Energietechnik Akademische Verlagsgesellschaft Geest & Portig K.G., DDR 701 Leipzig, Sternwartenstrasse 8, Germany. Formerly: Hochfrequenztech. & Elektroakust. (Germany) and Wiss. Z. Elektrotech. (Germany)

Z. Flugwiss. & Weltraumforsch. (Germany)
Zeitschrift fur Flugwissenschaften und Weltraumforschung Formerly: *Z. Flugwiss. (Germany)* DFVLR, Postfach 3267, D-3000 Braunschweig, Germany

Z. Flugwiss. (Germany) — (ZEFLAN)
Zeitschrift fur Flugwissenschaften Title changed to: *Z. Flugwiss. & Weltraumforsch. (Germany)*

Z. Math. Logik & Grundlagen Math. (Germany) — (ZMLGAQ)
Zeitschrift fur Mathematische Logik und Grundlagen der Mathematik Deutscher Buch-Export und Import GmbH, 701 Leipzig, Leninstrasse 16, Germany

Z. Metallkd. (Germany) — (ZEMTAE)
Zeitschrift fur Metallkunde Dr.Riederer-Verlag GmbH., D-7 Stuttgart 1, Johannesstrasse 60, Postfach 447, Germany

Z. Naturforsch. a (Germany) — (ZENAAU)
Zeitschrift fur Naturforschung (a): Astrophysik, Physik und physikalische Chemie 7082, Oberkochen, Lenghalde 21, Germany

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Z. Oper. Res. Ser. B (Germany) — (ZORPBU)
Zeitschrift fur Operations Research, Serie B: Praxis Physica-Verlag Rudolf Liebing KG, D-87 Wurzburg 2, Werner von Siemens Strasse 5, Germany

Z. Phys. A (Germany) — (ZPAADB)
Zeitschrift fur Physik A (Atoms and Nuclei) Springer-Verlag, D-6900 Heidelberg 1 Postfach 105 280, Germany

Z. Phys. B (Germany) — (ZPBBDJ)
Zeitschrift fur Physik B (Condensed Matter and Quanta) Springer-Verlag, D-6900 Heidelberg 1, Postfach 105 280, Germany

Z. Phys. Chem., Wiesbaden (Germany) — (ZPCFAX)
Zeitschrift fur physikalische Chemie. Neue Folge Akademische Verlagsgesellschaft, Bahnhofstrasse 39, 6200 Wiesbaden, Germany

Z. Phys. Chem.,Leipzig (Germany) — (ZPCLAH)
Zeitschrift fur physikalische Chemie Akademische Verlagsgesellschaft Geest und Portig K.-G., Sternwartenstrasse 8, 701 Leipzig, Germany

Z. Vermessungswes. (Germany) — (ZTVRAM)
Zeitschrift fur Vermessungswesen Verlag Konrad Wittwer, Stuttgart 1, Nordbahnhofstrasse 16, Postfach 147, Germany

Zagadnienia Drgan Nieliniowych (Poland) — (ZDNIAD)
Zagadnienia Drgan Nieliniowych (Nonlinear Vibration Problems) Warszawa, Swietokrzyska 21, Room 335, Poland

Zavod. Lab. (USSR) — (ZVDLAU)
Zavodskaya Laboratoriya 2-i, Obydenskii Per., D, 14, Moskva, G-34, USSR [English translation in: *Ind. Lab. (USA)*]

Zeiss Inf. (Germany) — (ZEISAP)
Zeiss Information Carl Zeiss, Oberkochen/ Wurtt, Germany

Zesz. Nauk. Politech. Lodz. Elektr. (Poland) — (ZNPEAD)
Zeszyty Naukowe Politechniki Lodzkiej Elektryka Redakcja Wydawnictw Naukowych Politechniki Lodzkiej. Lodz. Ul. Gdanska 155, Poland

Zh. Eksp. & Teor. Fiz. (USSR) — (ZETFA7)
Zhurnal Eksperimentalnoi i Teoreticheskoi Fiziki Akademiya Nauk SSSR, Leninskii Prosp. 14, Moskva Editorial address: Varob'evskoe Shosse 2, Moskva V-334, USSR [English translation in: *Sov. Phys.-JETP (USA)*]

Zh. Eksp. & Teor. Fiz. Pis'ma v Red. (USSR) — (ZFPRAU)
Zhurnal Eksperimental'noi i Teoretichskoi Fiziki. Pis'ma v Redaktsiyu Title changed to: *Pis'ma v Zh. Eksp. & Teor. Fiz. (USSR)*

Zh. Nauchnoi & Prikl. Fotogr. & Kinematogr. (USSR) — (ZNPFAG)
Zhurnal Nauchnoi i Prikladnoi Fotografii i Kinematografii Izdatel'stvo 'Nauka', Moskva, USSR

Zh. Prikl. Mekh. & Tekh. Fiz. (USSR) — (ZPMFAF)
Zhurnal Prikladnoi Mekhaniki i Tehknicheskoi Fiziki Sovetskaya 20, Novosibirsk, USSR [English translation in: *J. Appl. Mech. & Tech. Phys. (USA)*]

Zh. Prikl. Spektrosk. (USSR) — (ZPSBAX)
Zhurnal Prikladnoi Spektroskopii Editorial address: Institut Fiziki AN BSSR, Leninskii Prosp. 70, Minsk GSP, USSR [English translation in: *J. Appl. Spectrosc. (USA)*]

Zh. Strukt. Khim. (USSR) — (ZSTKAI)
Zhurnal Strukturnoi Khimii Editorial address: Director, Institute of Inorganic Chemistry, Siberian Branch, Academy of Sciences of the USSR, USSR [English translation in: *J. Struct. Chem. (USA)*]

Zh. Tekh. Fiz. (USSR) — (ZTEFA3)
Zhurnal Tekhnicheskoi Fiziki Izdatel'stvo 'Nauka', Leningrad, USSR [English translation in: *Sov. Phys.-Tech. Phys. (USA)*]

Zh. Vychisl. Mat. & Mat. Fiz. (USSR) — (ZVMFAN)
Zhurnal Vychislitel'noi Matematiki i Matematicheskoi Fiziki Akademiya Nauk SSSR, Leninskii Prosp. 14, Moskva. Editorial address: ul. Vavilova 28, Moskva V-333, USSR [English translation in: *USSR Comput. Math. & Math. Phys. (GB)*]

ZWF Z. Wirtsch. Fertigung (Germany)
ZWF Zeitschrift fur Wirtschaftliche Fertigung Carl Hanser Verlag, Kolbergerstrasse 22, D-8000 Munchen 80, Germany

JOURNALS ABSTRACTED COMPLETELY

Selection of articles from any journal included in the list of Journal depends on the subject of the articles and their quality.

A number of these journals however are central to the INSPEC subject field and of a quality such that, virtually without exception, all articles are regularly abstracted. These journals are listed below.

ACM Trans. Database Syst. (USA)
ACM Trans. Math. Software (USA)
Acta Crystallogr. Sect. A (Denmark)
Acta Electron. (France)
Acta Inf. (Germany)
Acta Metall. (USA)
Acta Phys. Acad. Sci. Hung. (Hungary)
Acta Phys. Austriaca
Acta Phys. Pol. A (Poland)
Acta Phys. Pol. B (Poland)
Acta Phys. Sin. (China)
Acta Polytech. Scand. El. (Finland)
Acustica (Germany)
Adv. Phys. (GB)
AEDS J. (USA)
Akust. Zh. (USSR)
Am. J. Phys. (USA)
Angew. Inf. (Germany)
Ann. Phys. (France)
Ann. Phys. (Germany)
Ann. Phys. (USA)
Appl. Opt. (USA)
Appl. Phys. (Germany)
Appl. Phys. Lett. (USA)
Appl. Spectrosc. (USA)
Arch. Elektron. & Uebertagungstech. (Germany)
Arch. Elektrotech. (Germany)
Arch. Elektrotech. (Poland)
Astrofizika (USSR)
Astron. & Astrophys. (Germany)
Astron. & Astrophys. Suppl. Ser. (Switzerland)
Astron. J. (USA)
Astrophys. & Space Sci. (Netherlands)
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Astrophys. J. Lett. Ed. (USA)
Astrophys. J. Suppl. (USA)
Astrophys. Lett. (GB)
Atomkernenergie (Germany)
Aust. Comput. J. (Australia)
Aust. J. Phys. (Australia)
Aust. J. Phys. Astrophys. Suppl. (Australia)
Autom. & Remote Control (USA)
Automatica (GB)
Automatisme (France)
BBC Eng. (GB)
Bell Syst. Tech. J. (USA)
BIT (Sweden)
Br. J. Non-Destr. Test. (GB)
Can. J. Phys. (Canada)
Can. Metall. Q. (Canada)
Chem. Phys. Lett. (Netherlands)
Chin. J. Phys. (Taiwan)
Commun. ACM (USA)
Commun. Phys. (GB)
Comput. & Chem. (GB)
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Comput. Phys. Commun. (Netherlands)
Comput. Programs Biomed. (Netherlands)
Comput. Surv. (USA)
Computer (USA)
Computing (Austria)
Cryst. Lattice Defects (GB)
Cybernetics (USA)
Czech. J. Phys. Sect. B (Czechoslovakia)
Data Base (USA)
Data Rep. (Germany)
Database J. (GB)
Digital Processes (Switzerland)
Electr. Eng. Jpn. (USA)
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Electrocompon. Sci. & Technol. (GB)
Electron. Engineering (GB)
Electron. Lett. (GB)
Elektrizitaetswirtschaft (Germany)
Elektron. Informationsverarb. & Kybern. (Germany)
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Energy Convers. (GB)
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Fiz. Met. & Metalloved. (USSR)
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Gen. Relativ. & Gravitation (GB)
Geophys. J. R. Astron. Soc. (GB)
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Hitachi Rev. (Japan)
Hyperfine Interactions (Netherlands)
IBM Nachr. (Germany)
IBM Syst. J. (USA)
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IEE J. Electron. Circuits & Syst. (GB)
IEE J. Microwaves Opt. & Account. (GB)
IEE J. Solid-State & Electron Devices (GB)
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IEEE J. Quantum Electron. (USA)
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Izv. Akad. Nauk SSSR Ser. Fiz.
Izv. VUZ Fiz. (USSR)
Izv. VUZ Radioelektron. (USSR)
J. Acoust. Soc. Am. (USA)
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JETP Lett. (USA)
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Phys. Rev. D (USA)
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Phys. Status Solidi a (Germany)
Phys. Status Solidi b (Germany)
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Physica B & C (Netherlands)
Pis'ma v Zh. Eksp. & Teor. Fiz. (USSR)
Plasma Phys. (GB)
Post Off. Electr. Eng. J. (GB)
Power Eng. (Acad. Sci. USSR) (USA)
Pr. Inst. Lacznosci (Poland)
Pramana (India)
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SIGPLAN Not. (USA)
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Trans. Natl. Res. Inst. Met. (Japan)
Ukr. Fiz. Zh. (USSR)
Yad. Fiz. (USSR)
Z. Elektr. Inf. & Energietech. (Germany)
Z. Naturforsch. a (Germany)
Z. Phys. A (Germany)
Z. Phys. B (Germany)
Zh. Eksp. & Teor. Fiz. (USSR)

THE TRANSLITERATION OF RUSSIAN FOR BIBLIOGRAPHICAL PURPOSES

English Letters	Languages	Cyrillic Letters	English Letters	Languages	Cyrillic Letters
a	R S B	А а	p	R S B	П п
b	R S B	Б б	r	R S B	Р р
ch	R S B	Ч ч	s	R S B	С с
d	R S B	Д д	sh	R S B	Ш ш
e	R S B	Е е	shch	R	Щ щ
ë	R	Ё ё	sht	B	Щ щ
é	R	Э э	t	R S B	Т т
ê	R B	Ѣ ѣ	t'	R B	ТЬ ть
f	R S B	Ф ф	t'	S	Ћ ћ
g	R S B	Г г	th	R	Ѳ ѳ
i	R S B	И и	ts	R S B	Ц ц
ī	R	І і	t-s	R S B	ТС тс
ĭ	R B	Й й	u	R S B	У у
j	S	Џ џ	ŭ	B	Ъ ъ
j'	S	Ђ ђ	ū	B	Ѫ ѫ
k	R S B	К к	v	R S B	В в
kh	R S B	Х х	y	S	J j
l	R S B	Л л	ȳ	R	Ы ы
l'	R B	ЛЬ ль	y̆	R	Ѵ ѵ
l'	S	Љ љ	ya	R B	Я я
m	R S B	М м	yu	R B	Ю ю
n	R S B	Н н	z	R S B	З з
n'	R B	НЬ нь	zh	R S B	Ж ж
n'	S	Њ њ	‘	R	Ъ ъ
o	R S B	О о	’	R B	Ь ь

The use of l', n' and t' in Russian and Bulgarian (where they are not transliterations of a single letter, but merely l, n or t followed by the soft sign) is included to emphasise the fact that they are used for single letters only in Serbian.

'Shch' and 'sht' invariably represent the letter III, in Russian and Bulgarian, respectively, since the pairs of letters (IIIh in Russian and IIIT in Bulgarian) seem never to occur consecutively in the respective languages.

The above table is reproduced, by permission, from the pamphlet 'The transliteration of Russian, Serbian and Bulgarian for bibliographical purposes' published by the Royal Society, Burlington House, London W1 (February 1953, price 5p.). It represents the system at present in use in Science Abstracts for the transliteration of the names of journals and the names of authors of articles abstracted.

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